OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office. AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 1. 1890. VOL. LI.]

WEEK ENDING SATURDAY, JANUARY 4. [Price 11/2d.

General Register Office, Somerset House, 6th January, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 25.2 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

The months	1 1 1 1 1	Weeks	ending	ndi v	fourtherly limit slow	Ew.	ANIMA I	Weeks	ending	adhis
Towns.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Towns.	1	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.
Birkenhead	23.9	14.8	20.4	16.4	Liverpool -	-	25.4	27.6	26.7	27.5
Birmingham	19.2	26.3	20.4	23.5	London -	-	21.2	21.8	20.3	28.0
Blackburn -	32.3	33.6	31.4	31.7	Manchester	-		32.1		
Bolton -	30.0	33.2	21.8	31.1	Newcastle-on-Tyn	e*	28.2	27.6	26.6	25.0
Bradford* -	27.1	23.3	19.3	25.4	Norwich -	-		24.8		F 6 7 1 8 3 7 1 1
Brighton -	18.0	14.1	20.1	18.1	Nottingham	-		18.9	117 30 (51)	DOMESTIC STREET
Bristol -	20.5	23.4	21.4	26.3	Oldham -	-		24.9		
Cardiff* -	24.5	21.8	19.0	24.1	Plymouth -	-		27.4	CONTRACTOR AND ADDRESS.	100
Derby -	18.0	28.1	16.9	22.2	Portsmouth	-		22.5	STREET, SQUARE,	STREET, SQUARE,
Halifax -	30.2	22.5	23.2	22.2	Preston -		26.0	26.5	27.0	32.2
Huddersfield	25.3	20.8	18.5	16.6	Salford* -	-	22.0	21.4	24.5	22.6
Hull	23.8	25.1	25.3	24.6	Sheffield -	-	23.1	24.6	21.5	24.4
Leeds -	27.0	24.8	25.8	27.1	Sunderland	-	28.8	21.8	24.1	21.8
Leicester* -	19.4	17.0	19.4	14.5	Wolverhampton	- 0	20.2	30.3	25.3	28.1

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1·1 in Bradford and in Norwich, and 1·4 in Liverpool; from scarlet fever, 2·1 in Blackburn and 2·6 in Plymouth; and from whooping-cough, 1·3 in Plymouth, 1·5 in Salford, 1·8 in Bolton, 1·9 in Newcastle-upon Tyne, 2·0 in Birked, and 2·5 in Bristol. The annual death-rate from "fever" did not reach 1.0 in any of the twenty-eight towns. The 59 deaths from diphtheria in these towns included 32 in London, 5 in Salford, 4 in Birmingham, 2 in Plymouth, 2 in Bolton, 2 in Sheffield, and 2 in Newcastle-upon-Tyne. No death from small-pox was registered in any of the twenty-eight great towns.

LONDON.

In London 2961 BIRTHS and 2371 DEATHS were registered. Allowing for increase of population, the births were 117 below, while the deaths exceeded by 423, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21.2, 21.8, and 20.3 in the three preceding weeks, rose last week to 28.0. This apparently large increase of mortality was undoubtedly due, in great measure, to the registration of a considerable number of deaths that occurred in the previous week having been delayed, as is invariably the case in Christmas week. The 4661 deaths registered in the fortnight ending on Saturday last exceeded the corrected average by only 177, and corresponded to an annual rate of 24.1 per 1000. During the thirteen weeks

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881. There are, however, reasons (derived from the numbers of inhabited houses on the rate books) to believe that by this method the populations of Leicester, Salford, and Bradford are over-estimated and those of, Newcastle-upon-Tyne and Cardiff under-estimated; if this be the case, it would follow that the death-rates given above for Leicester, Salford and Bradford are under-stated, and those for Newcastle-upon-Tyne and Cardiff over-stated.

of last quarter the death-rate averaged 17.8 per 1000, and was 2.7 below the

mean rate in the corresponding periods of the ten years 1879-88.

The 2371 deaths included 36 from measles, 15 from scarlet fever, 32 from diphtheria, 98 from whooping-cough, 12 from enteric fever, 10 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 203 deaths were referred to these diseases, being 38 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 12; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and 3 in the Highgate Small-pox Hospital. The death of an infant, aged 23 days, in Deptford, was attributed to "convulsions from chicken-pox." The fatal cases of measles, which had been 35 and 29 in the two preceding weeks, rose again last week to 36, but were 30 below the corrected average; 5 belonged to Islington, 3 to Hackney, 3 to Bethnal Green, and 4 to Stepney sanitary areas. The deaths from scarlet fever, which had been 22 and 14 in the two previous weeks, were 15 last week, and 19 below the corrected average; 4 belonged to Fulham, 2 to Hackney, and 2 to Camberwell sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1570 scarlet fever patients at the end of last week, against 1594 and 1609 on the two preceding Saturdays; 122 cases were admitted to these hospitals during the week, against numbers declining in the four preceding weeks from 154 to 103. deaths from diphtheria, which had declined in the four previous weeks from 47 to 26, rose again last week to 32, and exceeded the corrected average by 11; 2 belonged to Paddington, 2 to Hammersmith, 2 to Pancras, 2 to Clerkenwell, 3 to Bethnal Green, 4 to Poplar, 2 to Lambeth, 2 to Battersea, and 2 to Camberwell sanitary areas. The 98 fatal cases of whooping-cough showed a further considerable increase upon recent weekly numbers, and exceeded the corrected average by 24; 43 occurred in South London, of which 12 belonged to Lambeth, and 13 to Camberwell sanitary areas. The deaths attributed to diarrhaea and dysentery, which had been 13 and 19 in the two previous weeks, declined last week to 10, and were 4 below the corrected average. The deaths of 3 persons aged between 40 and 60 years, and of one aged upwards of 60 years, were referred to influenza.

The deaths referred to enteric fever, which had been 15, 12, and 13 in the three preceding weeks, declined last week to 12, and were 6 below the corrected average; 2 belonged to Battersea sanitary areas. The Metropolitan Asylum Hospitals contained 115 cases of enteric fever and 5 of typhus on Saturday last; 11 cases of enteric fever were admitted during the week, against 15 in each of the two

preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 552, 518, and 467 in the three preceding weeks, rose last week to 843, and exceeded

the corrected average by 301.

Different forms of violence caused 91 deaths, concerning all but 2 of which inquests were held. Of these 91 deaths, 7 were cases of suicide and 3 of murder or manslaughter, while the remaining 81 were attributed to accident or negligence. Seven of these were caused by vehicles in the streets, 13 by burns or scalds, 5 by drowning, and 29 (including 28 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3797 births and 2921 deaths were registered, corresponding to annual rates of 34.4 and 26.5 per 1000 of the estimated population. the Outer Ring 18 deaths from whooping-cough, 8 from measles, and 7 from diphtheria, were registered. The fatal cases of whooping-cough included 6 in Croydon, 2 in Tottenham, and 2 in West Ham sub-districts. Of the deaths from measles, 3 occurred in Croydon and 2 in Walthamstow sub-districts; and 2 deaths from diphtheria were returned in Chislehurst sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.96 ins.; the highest reading was 30.23 ins. on Monday evening, and at noon on Wednesday, and the lowest 29.45 ins. on Friday evening. The mean temperature of the air was 32.8, and 5.3 below the average in the corresponding weeks of the 20 years ending 1868. The mean was averaged with the same of the corresponding weeks of the 20 years ending 1868. considerably below the average on each day of the week except Saturday, when it showed an excess. The direction of the wind was variable, and the horizontal movement of the air averaged 5.9 miles per hour, which was 7.1 miles below the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0.11 of an inch. The duration of registered bright sunshine in the week was 5.0 hours, against 5.0 hours at Glynde Plane Leave. hours at Glynde Place, Lewes.

TABLE 1 .- BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 4th January, 1890.

-	-	NO COMPANY		100	1		11 1	100	10			Sep.		0.53	100	13		-	No.	90	2.121	100	1753	17.5	713				1			7
To the second	CITIES	AND BOROUGHS,	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL.	D. D	L'ELCESTER.	ROTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	HILL HILL	SUNDEBLAND.	NEWCASTLE.	CARDIEF.	-	EDINBURGH.	GLABGOW.	DUBLIE.
RAINEALT.		In Centi- metres.	24.	0.41	0.58	0.21		0.33	0.52	000		0.58	1		1.55			-				-	0.15	-	00.00	0.33	1	1		0.84	1.93	80.0
RAIN		'səqəul ul	23.	0.16	0.11	0.50		0.13	0.10	0 10		0.11	1		19.0							1	90.0			0.13	1	1		0.33	94.0	0.79
E AIR.	Mean.	.entigrade.	22.	0.17	0.44	1.67		2.94	00.0	00 1-		-1.61			-2.44								0.33	L	1 0000	1.89	00 1	-1		3.89	4.44	2.00
TEMPERATURE OF THE AIR.	Me	dahrenbeit.	21.	32.3	8.78	35.0		87.3	32.0	0 65		29.1	-		27.6	1				1 -1	-		32.6	1		25.4	200	1		89.0	0.0%	41.1
RATURI		Their Lowest	20.	0.41	0.53	25.5		26.4	0.41	0 01		0.12	1		25.2	1		15	1				20.4		1 00	0.86	1			28.1	9.67	28.6
TEMPE		Highest Lowest	19.	21.0	6.44	0.65	, ,	8.64	51.0	0 00		38.7	1		20.1	60	0			, 4			42.2		-	0.04	-			48.1	0.64	49.0
Annual Rate per 1006,	he	From Diseases in Cols. 6-12.	18.	2.3	4.7	2 10	2,2	5.3	2.6	8.6	1.0	1.8	0.0	0.0	0.8	4.0	1.8	8.0	2.0	1.5	0.0	6.1	1.2	2.3		7.6	6.6	6.0	-	6.4	2.8	7.7
Annua per 1	to t	F'rom All Causes.	17.	25.2	28.0	18.1	19.7	26.5	26.3	H-06	14.5	17.7	2.23	16.4	27.5	1.10	32.8	25.6	8.67	32.2	9.91	22.2	25.4	27.1	24.4	8.16	25.0	24.1	-	0.97	30.7	34.9
	.пля	Uncertified Of to seeme	16.	101	26	77 -	4 .1	1	1 1	0	1 1	1	1	-	35	67	4	60		1 6		65	67	111	100	4 0	-	1	-	36	27 4	23
ı	"g	Deaths in Palic Application Institution	15.	859 1		0 =	67	67	10	. 4	6	13	10	1		77	26	00	1 2	- 4	10	-1	12	53.	12	7 10	0 0	12	-	22	4	22
	-	Inquest Case	14.	380	195	1 20	2 52	00	9 4	1 0	200	9	83	9	23	27	22	-	00 0	2 -	67	1	9	56	9	1 0	. 9	20		a.	٥. ر	00
ide		Violence.	13.	184	16	1 00	-	67	07 0	. 0		-	1	00	27	53	13	4 1	- 0	1 1	1		67	11	00	2 -	1 00	7		10	10	9
The DEATHS registered in the Week include		.amdrraid	12.	32	10	1 1	1	1	1 -	4 0	0 1	1	1	1	တ	1	60	60	1	1 -		1	1	4	1	21		F		1	63	4
e We		Ferer.	11.	34	12	1 1	1	1			0 67	07		-		7	-	7	1			-		2	1						67	20
ed in th	from	Whooping-	10.	166	86	- 65	0 1	67	11			1		4	00	4	4	7	67 1	- 1	1	1	-	20	-	200	2 00	1		1	10	90
gister	Deaths from	Diphtheria.	9.	59	32	1 -		67	1 1	No.	4 1	1	1	1	1	63	7	0	1	1 -	1 1		1	1	67		1 0	7 1		*	20	7
ATH8 re	D	Scarlet. Fever.	00	52	15		1	4	1 -	4 11	2 -	1 63	1	1	20	63	83	1	å :	9	1	1	1	60	10		-	1		1	67	1
10 DE		Measles.	7.	80	36	1	0.3	1	63	1 2	0 1	63	-	1	17	-	7	67		- 1	-	-	10	1	7	1 0	1 0	1		22	6	00
F		.xoq-llam2	6.	1	1	1 1		1	1		1				1	1	1	1	1	1	1 1		1	1	1	1		1	1	1		1
	beaths of	Persons aged 80 Years and upwards.	5.	1280	650	12	13 2	0	26	2 5	200	27	13	2	49	23	19	16	10	13	13	11	58	43	36	31	10 10	11	-	31	53	94
	Deat	nfants under lo Year of Age.	4.	913	398	10	7 =	6	120	OT	68 ,	17	6.	6	53	12	40	27	18	18	22 6	2 -	20	30	37	20	17	12		27	47	35
luring			60	4889	2371	43	36	40	117	0.50	208	200	43	33	323	69	239	105	26	72	3 8	35	117	189	156	101	10	54	10	135	312	236
Registered during	the Week ending	BIRTHS, DEATHS.	2.	6450	1967	000	06	09	144	cc	318	146	63	62	401	61	264	123	16	90	101	58	142	237	240	144	119	89	000	134	356	204
Re	POPULATION th		1,	9,715,559	4,421,661	123,659	142,952	78.780	: 32,248	83,406	461,865	154,344	100 871	105,049	613,463	115,846	879,487	242,509	146,716	123,553	94.953	82,034	240,515	863,799	332,837	213,833	169 087	117,012		271,185	£30,208	353,082
	I garage	.81	Cols.	28 Towns	Lounon .	BRIGHTON	PORTSMOUTH .	NORWICH	BRISTOL	WOLVERHAMPION	BIRMINGHAM .	LEICESTER .		BIRKENHEAD .	LIVERPOOL .	BOLTON	MANCHESTER .	SALFORD*	Огрнам .	RN	HILLDERSPIELD .	HALIFAX	BRADFORD .	LEEDS	SHEFFIELD .	HOLL	NEWCASTIE*	CARDIFF	100000000000000000000000000000000000000	EDINBURGH	GLASGOW	DUBLIN

* See note on first page of this Return.

TABLE 2. LONDON. -Births and Deaths Registered in the First Week of each of the Eleven Years, 1880-90.

Total Births	2570	2913	1882	1883	2926	1885	1886 2653	1887	1888	2355	Corrected Weekly Average in 10 Years 1880-89.*i	1890 2961
Males Females .	1278	1533	1412	1538 1506	1503 1423	1415	1335	1366	1484 1361	1481	1564.2	1516 1445
The state of the state of					100		-					
TOTAL Deaths	1754	1510	1858	1556	1663	1956	1784	2127	1868	1784	1947.6	2371
Males Females .	867 887	751 759	983 875	831 725	844 819	945 1011	916 868	1023 1104	944 924	905 879	982·4 965·2	1202 1169

^{*} The numbers in this column are the average weekly numbers in the first weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABI	E 3. LONDON.—I	BIRTH	s, DE	ATHS,	and .	METE	OROLO	ogy i	n the	Last	THIR	TEEN	WEE	KS.
		Oct. 12.	Oct. 19.	Oct. 26.	Nov.	Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.	Dec.	Dec. 14.	Dec. 21.	Dec. 28.	Jan.
TOTAL	Births	2595	2518	2580	2623	2658	2522	2517	2321	2270	2535	2513	1815	2961
TOTAL	Deaths	1321	1410	1310	1317	1350	1451	1375	1448	1683	1768	1816	1690	2371
Ages at Death	0 -20 years -20 -40 " -40 -60 " -60 -80 " -80 years & upwards	581 187 227 263 63	590 209 274 272 65	562 163 250 283 52	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77	660 176 259 222 55	647 184 266 292 59	713 196 294 392 88	719 227 312 418 92	723 216 348 424 105	651 220 332 396 91	834 346 541 552 98
29	{Under 1 year 1-5 5-20 - 1	321 175 85	320 187 83	276 200 86	323 212 64	310 209 87	343 235 89	335 233 93	333 227 87	353 265 95	375 247 97	364 261 98	326 232 93	398 310 126
Deaths i	from Small-pox -	-	1-	-	-	1	-	-	-	-	-	-	-	-
10 20	" Measles Scarlet fever -	13	23	17 27	22	20 23	33	33	18	41 24	30	35 22	29	36 15
9)	" Diphtheria -	35	41	37	31	23	38	30	33	47	35	27	26	32
91	,, Whooping-cough Typhus -	14	26	22	21	24	37	31	44	47	49	60	67	98
99	" Enteric fever -	16	11	21	19	11	20	22	15	8	15	1 12	13	12
99	" SimpleContd fever " Diarrhœa and)	-	2	1	760	-		2	1	2	-	-	-	1
"	Dysentery -}	28	22	15	17	17	16	17	12	12	14	13	19	10
2,9	., all the above-				-	-	-	-	100	-	-	1	100	-
"	mentioned Diseases	122	151	141	130	120	169	152	142	181	155	170	170	203
"	,, Dis. of Respira- tory System	264	300	281	300	318	321	328	345	432	552	518	467	843
1 17	Phthisis Dis. of Circula-	129	184	141	125	141	154	169	183	161	182	161	180	247
"	tory System	127	115	115	104	122	121	113	126	165	163	189	158	222
Violent	Deaths	50	57	49	59	51	65	57	53	56	55	69	47	91
Inquest Deaths	Cases in Public Institutions	99	112 3 3 2	101 319	123 309	97	122 363	314	113 336	128 358	124 422	156 419	121 400	195 495
TEMPER	ATURE OF THE AIR	49.8	49.4	46.7	47.3	47.3	46.8	44.9	37.6	32.1	38.1	43.5	89.8	0
	of Highest readings -	58.4	57.8	53.7	54.0	53.3	52.7	48.2	43.4	35.8	42.5	43.5	44.0	32.8
Mean	of Lowest readings -	42.6	41.6	41.5	41.4	40.8	41.0	41.3	32.0	27.8	31.9	38.1	35.2	28.5
	ty of the Air	82	88	94	88	90	93	94	84	85	92	94	.90	97
	l in inches	0.57	0.70	1.07	0.78	0.56	0.01	0.13	0.32	0.23	0.23	0.33	0.61	0.11
Register	red Sunshine (in hours)	31.1	17.3	8.1	23.1	3.9	11.9	0.0	5.9	8.4	4.4	2.1	3.2	5.0
								-	-			-	-	

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolvernampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soe, Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esa., Newcastle-on-Tyne.

LONDON.—DEATHS Registered at several groups of Ages from different Causes in the First Week of the Year 1890.

			No.		12 64	FI	RST	W	eek	of the Year 1890.									1
	or the years		In	the rday,	Wee 4th	Janu	ding	1890.	70		for the		Satu	In th	e W	eak e	ndin	g 1890.	
	20	100	De		of I	Perso	ns of	116			ges fo		D	eath	s of I	Perso	ns o		
GAMONG OR DEATH	Averages s of the 1 1879-88.*	1	1	Jude		r 40.	r 60.	r 80.1	and	CAUSES OF DEATH.	Avera o: tl 879-88		1	Unde	r	er 40.	er 60.	sr 80.	Bud
CAUSES OF DEATH.		AGES.	-	20.		under	under 60	under			ted A	AGES.	-	1		under	under	under	Years upwards.
	Corrected 1st Week	ALL A	0-1.	1-6.	5-20.	20 and	40 and	60 and	80 Years upwards		Corrected Averages 1st Weeks of the 10 1879-88.*	ALL A	0-1.	1-5.	5-20.	20 and	40 and	90 and	NG NG
		-	1	1.			1	1	-			1	19	1					
ALL CAUSES	1947.6	2371	398	310	126	346	541	552	98	Diseases of Organs of Special Sense †}	2.7	4	1	1	-	1	-	1	-
Small- Vaccinated; -	}11.8	10	-	-	-	-	150	-		Diseases of Circulatory	146.2	222	2	-	12	28	77	91	12
No Statement	, (-	-	Ī		-	-	1		1,000,000		-		1			177		
Measles	66.0	36	3	31	2 2	-				Croup	16·8 350·8	13 530	76	11 56	2 7	35	143	182	31
Searlet Fever	33.8	15		13	4					Bronchitts Pneumonia	118.8	215	27	44	12	59	46	26	1
Typhus	0.0						-			Pleurisy Other Diseases of Respi-)	6.9	13	4	7	10	5	22	3 22	2
Relapsing Fever †	0.4	4	-	-	1	1-	8	1		ratory System}	48.9	72		No.	10	9			-
Whooping-cough	74.2	98	30	64	4		-					17.11		-			-	-	
Diphtheria	20.6	32	2	20	8	2	-	-	-	Dentition †	17.8	10	5	5	ī	-	-	-	-
Simple Continued and	2.5	-	-	-	-	N.	-		1	Quinsy, Sore Throat † -	6'3	6 12	1	1	3	2	3	2 2	-
Ill-defined Fever - 5					0.		,			Peritonitis Diseases of Liver	80.0	29	1	1	-	2	14	10	1
Enterio Fever	17.7	12		1	6:	3	1	1		Other Diseases of Digestive System -	33.2	39	5	1	3	6	9	14	1
Cholera	13.6	10	7		-	-	1		2	Digestive System -)			_	_	_	-	-		_
Diarrhoa, Dysentery -	0.1	10				-	-		-	Diseases of Lymphatic)						100			
Remittent Fevert Hydrophobia	0.0		-		-	-	-	-		Diseases of Lymphatic System & of Ductless Glands †	2.1	1	-	-	-	-	1	-	
Glanders	0.0		-	-	-	-	-	-	-	Grands)			_		_	_	_	-	-
Cowpox and Effects of)	0.0		-		13					Diseases of Urinary	45'1	51	-	1	1	7	19	19	4
Vaccination † 5			4				- 1	1		System}	40 1	0.	1		1				
Venereal Affections -	11.1	7	2	1	-	-	2 2	1			-								
Erysipelas	2.7	2	-			2	-	1		Diseases of Generative	5.5	4	1	1	-	-	2	-1	-
Pyæmia and Septicæmia † Puerperal Fever	8.7	6	1-	-		6			-	Accidents of Childbirth	4.3	3	-	-	-	3	-	-	-
Other Zymotic Diseases 1	2.3	2	1	-	-		ł	-	-										
7						-		-		Diseases of Locomotive	8.6	4	-	1	-	1	-	2	-
Thrush	1.1		-	-	-	-	-	-	-	System †}			-	-	-	-	-	-	-
Worms and other Para-	0.2	14-28	-	-	-	-	-	-	-	Diseases of Integumen-	5.5	4	1	-	-	1	2	4	-
sitical Diseases}			-	-	-		-		_	tary System}	3 3	100	-			_	11		
Starvation, Want of	3.0				-			11/4		THE RESERVE OF STREET	17 . 11	14		Na			1		
Breast-milk † 5		-				9-		-		VIOLENT DEATHS.		100	137	1		1	1911	989	100
Alcoholism	6.0	20		-	-	9	S	. 2	-	I Plant St. Land Committee		8-11	-			19			
Pharmatia		10		10 10	-			186		(Accident.) Fracture and Contusion	23.6	32	2	-	2	4	8	14	2
Rheumatic Fever, Rheumatism of Heart	8'2	11	-	-	5	2	3	-	1	Gunshot Wound	0.1	14-	-	-	-	-	-	1	
Rheumatism †	3.9	6	-	1	-		1	5	-	Cut, Stab Burn and Scald	9.6	13	-	2	3	1	2	5	-
Gout	3.3	3	-	-	-	-	-	3		Poison Drowning	2.5	1 5	-	-	-	4	11-	1	-
Rickets †	2.4	5	2	3	-	-	-		-	Suffocation	20.5	29	28	-	-	1	-	-	ī
Cancer	21.1	59	2	-	1	1	30	25	-	Otherwise	3.1	-			-	_	1	-	_
Tabes Mesenterica -	24'3	20	10	5	4	1	-	-	-	TO A THE REAL PROPERTY.		1 - 1 10	11	1	100	10-0	1111	135	
Tubercular Meningitis -	24'6	21	10	5	5	1	-	-	-	(HOMICIDE.)	1.2	3	3	- 11	115	-	-		-
Phthisis	13.8	247	2	1	20	136	76	11	1	Murder & Manslaughter	1 2	-	11		1	-	-	-	-
Scrofula, Tuberculosis -		10	3	4	-	2	-	1		THE RESERVE TO SERVE AND		1700	100	171	100		1117	1930	150
Diseases †}	11'4	16	1	-	-	4	5	6	-	(SUICIDE.) Gunshot Wound	0.9	-		-	-	1	-	-	-
		TIT				-	1		1	Cut, Stab	1.6	2	-	13	-	-	1	1 -	-
Premature Birth	39.7	50	50	-	-	-	-	-	-	Poison	1.0	1 2		-	ī	1	1	-	
Ateleotasis +	2.4	2	2	-	-	-	-		1	Hanging	1.7	2	-	-	-	. 1	1	1	-
Congenital Malforma-	9.2	9	9	-	-	-	-	-	-	Otherwise	-				_		-	_	-
Old Age	69.1	67	-	-	-	-	-	39	28	The Real Property lies					1				
			1	-	-	-	-	-	-	(EXECUTION.)	1111					1	1	100	
Apoplexy	51'8	64	-	-	1	3	27	28	5	Hanging	0.1	-	-	-	-	-	T.		
Epilepsy	7.5	10	1	-	1	4	-	4	1-		1							10	14
Convulsions	55.0	50	42	7	1	-	-	-	1-	OTHER CAUSES †	65'6	.63	52	8	-	1	1	1	1-
Other Diseases of Brain and Nervous System	103.9	83	5	14	5	3	24	27	5		120		1		1				
	1	-	1	1	1	-		1	1	1				-	.6		tio-	Garage Contract Contr	-
. The name bear in this	an laman	owe Abe		2000		In D	Anak	a 50m	Abas	on years 1879-88, raised by 9	646 ner c	ent, for	incr	case	OI DO	pulla	PIOIT		

The numbers in this column are the average weekly Deaths for the ten years 1879-88, raised by 9*046 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the seven years 1832-8 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When a medical attendant does not pertify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered actitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, osnalaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON. -POSSILATION; BIRTHS; DEATHS from ALL CAUSES, and from SWALL-POX, MEASLES, SCARLET during the Week ending

	OF THE		21.	10 1	1	ATT	The	DEAT	THS TO	ogiste	rad i	n the	Week	kine	ude			
THE PERSON NAMED IN COLUMN 1	Francis		2 -1	Deatl	hs of	1	1/2			Death		-	203					
REGISTRATION SUB-DISTRICTS.	Enumerated Population, 1881	Total Birres	Total DEATHS.	Age.	Persons aged 60 Years & upwds	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-sough.	Typhus.	Enterie (or Typhoid) Fever.	Simple con-	Diarrhea.	Violense.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON	3,815,704	2961	2371	398	650	-	36	15	32	98	-	12	-	10	91	195	495	2
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN ASTLUM HOS- PITALS OUTSIDE REGISTRATION LONDON WEST DISTRICTS.	669,638 905,947 282,238 692,738 1,265,148	419 637 181 587 1137	394 453 182 559 788	52 81 28 88 149 -	123 127 45 142 213		1 10 4 13 8	6 5 - 1 3	5 5 2 8 12 -	18 16 2 19 43	1 1 1 1 1	2 2 6 -		3 1 - 4 3	15 15 9 24 28 -	25 37 22 51 60 -	110 93 42 137 113 -	1 1 1 23
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 37330	48 16	43 26	8 3	13	1	-	-	-	2	-		-	-	2	2	10 29	1
Kensington Town Ww - W.M. & C. Brompton H		73 16	65	3 1	24 6 1	-	-	-	-	1	-	1	-		-	1 1	2	
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Weev W.M. & C	7599 64340 42900	6 51 58	2 41 32	9 6	10 4	0	-	5	2	2 -	=	-	-	1 -	1	2 2 1	5 7 2	13
Chelses North-west WHHHHH. C.	30396 24925 32807	19 20 20	10 19 24	2 1 3	3 6 7		1	=	1 -	1 5	-	-	-		=	-	8 -	7.
Chelsea North-east May Fair WW G.J. Belgrave WHHH C. St. John Westminster HHH - C. St. Margaret Westminster H - C.	30353 59220 35496 24679	8 23 28 8	28 41 23 8	3 5 3 2	9 14 6 1		11111	11111	11111	2 - 1	11111	2 -	11111	1	1 7 - 1 -	2 7 1 1	20 17 - 4 2	
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941	17 8	11 7	1	6 2	1	=	-	-	-	-		-	-		ī	-	15
NORTH DISTRICTS. All Souls Marylebone HHHHH W.M. Cavendish Square HHHHH W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone H - W.M. 8t. John Marylebone H - W.M.	24809 21118 33700 33633 45452	15 2 16 29 21 14 25	17 12 8 19 18 21 19	- - 3 3 7 7 4	5 - 8 2 6 4 5 4		11111111	11111111		2 1 1 3	11111111	11111111	1.111111		1 1 3 - 1	3 1 4 3 -	7 2 2 - 2	
Regent's Park Pancras H - V.M. Tottenham-court wHHHH N.R. & W.M. Gray's Ina Lane HHH N.R. Somers Town H - N.R. Camden Town WH N.R. Kentish Town W N.R. Harry Hollows W W H N.R. Harry Hollows W W W N.R.	39115 27729 30247 34369 17311 87487 67946	13 16 23 9 69 53 82	20 13 13 15 37 54 38	1 - 5 2 6 5 12	8 2 2 6 12 14 8		2 1		1 - 1 -	2 2 2			111111111	111111111111111111111111111111111111111	1 1 1 1	2 2 3 4 2 - 1	11 3 2 10 9 23	
Islington South-west Islington South-east Highbury H N.R. N.R.	52048	41 32 20	26 16 7	6 5 2	5 5 2	-	4 -	1 -		ī	111		-	-	1	1 1 1	-	
Stoke Newington H	76911	20 9 24 65 29	7 5 20 58 17	1 3 7 2	1 4 19 5	11111	2 1	4	- - 1	1	11111	1	11111	1111	2 -	2332	22	
CENTRAL DISTRICTS. St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R.	14864 13837	7 6 8	9 10 5	1 1 1 1 1	2 3 2 1	1111		111		1111		1111	1111	1111	11.	1 2 -	3 -	X.
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton W.	8559	5 -	9 2 6 1	-	1 2 3 1	1	1	1111	1	1 = 1	=	=	1111	-	111	1 2 -	1	
Strand Union Workhouse, Eamonton w.	18671 10706 6583 17516 19281 14773 17506 11541 18628 9217 7463	13 5 7 18 15 9 21 16 24 4	1 14 13 3 8 10 8 9 9 16 4 1	=	2 4 - 1 2 3 3 1 3 1	Community .	1	Toman de la constitución de la c		1					111111111111111111111111111111111111111	1 3 2 2 1	477	
St. Botolph H	11174 7193 5358 8896 13666	2 2 3 5 5	5 3 24 1 8 4	1	- 5	1111111	1	1111111	1	111111	1111111	1111111	11111111	1111111	2 -	3 1 -	18 1	-

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Work house; H—Hospital; L—Lunadic Asylum; w—A Workhouse Establishment receiving inmates from other Districts than that in which is seen note at the toot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—C.J. signific. Grand Junction Company; W.M. West Middlesex; C. Cheisea; S. Southwark and Vanaball; L. Lambeth; N. R. New River; E.L., East London and K., the Kent Company.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

The state of the s	-	F	1	T			The	DEA	THE	registe	ered i	n the	Wee	k inc	lude		10	10/10
	Enume-	A.172		Dear	thsof					Death	s from			0123		1	0	20
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Birres.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Soarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Tryphoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS. Holywell Shoreditch - N.R. & E.L. St. Leonard Shoreditch + ML* - N.R. Hoxton New Town w N.R. Hoxton Old Town N.R. Haggerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	4 7 23 31 36	2 6 34 7 29	1 3 1 5	2 1 17 2 5	14111	1	111111	111111	2	11111	1	11111	-111:	1111	1 1 1 1 1	1 17 6	111111
Bethnal Green North H - E.L. Bethnal Green East WHL^* - E.L.	51157 34399 41405	46 34 38	38 16 34	12 3 4	6 5 10	1413	1 - 2	1 -	3 -	1 1	111	101	111	111	1 -	5 8 -	1 11	111
Spitalfields - E.L. & N.R. Mile End New Town W - E.L. Whitechapel Church H E.L. & N.R. Goodman's Fields - E.L. Aldgate - N.R. & E.L.	22585 15473 17490 9713 6102	12 16 14 3 2	12 31 42 2 10	1 3 4 1 -	2 8 5 1 5	ILET'S	1	11111	11111	1 -	11111	11111	111111	HILL	2 - 3	3 - 5	22 31	11111
St. George's North E.L. St. John, St. George East W - E.L.	38747 8410	30 6	28	2	3	1	1	7	-	1	-	1	-		1 1	3 1 2	7 3	-
Shadwell H E.L. & N.R. Rateliff E.L. Limehouse E.L.	10895 16107 32041	15 13 26	9 14 21	1 2 3	2 6	111	4	-		ī	-	1	3	1	1	1	- 1.0	-
Mile End Old Town West H - E.L. Mile End Old Town East WwwH- E.L.	87960 67653	61	30 54	10 6	8 18	1.1	ī	1	ī	4	1	-	-	ī	1 4	8	17	1 -1
Bow L* 'E.L. Bromley wwwH E.L. Poplar WWH E.L.	87074 64859 85077	27 57 42	25 58 47	5 14 6	6 16 11	171	1	1111	- 4	2 - 4	1111		111	11.	1	3 6 4	19 1	3 28
Christchurch Southwark	13663 14999 21381 15953 21318 26672 59555 21623	5 10 17 11 8 20 56 21	9 7 14 13 4 12 48 18	1 4 4 1 2 13 4	3 1 1 1 1 3 13 6	HILLIAM	1		111111111	1 2 4	11111111	Testine	minn		1	2 2 1 1 3 1	1 - 2 - 7 - 7 -	1 - 3 2
St. Olave WH S. & L. Leather Market S. & L. St. Mary Magdalen W - S. St. James Bermoudsey - S. Rotherhithe WH S. & K.	11956 16300 15669 54682 36024	14 16 13 52 32	17 3 6 21 19	2 1 1 6 5	2 - 3 5 5	11111		11111	FILTIN	- 2 1	11111	0000	111111	13.61	3 2	4 - 4	13 - 1 - 5	101
Waterloo-road lst	15195 16351 19876 39859 45282 35832 62837 19017	15 25 15 42 34 22 41 14	5 6 23 35 24 27 38 9	1 4 4 3 4 7 2	3 4 9 5 12 11 5	HILLIAN .	11111	1111111	1,1511111	3 3 4 2	11111111	Title in the	11111111	11111111	1 2 2	1 3 3 1 1 1	1 11 13	2 - 1 -
East Battersea — — — — S. West Battersea — — — — S. Clapham H — — — — — S. Wandsworth WHL — — — S. Putney — — — — S. Streatham — — — L.	54675 52587 36380 28004 13235 25553	44 61 18 36 10 25	24 47 18 14 3 7	5 8 2 2 - 2	2 12 5 6 1	111111	2	111111	111111111111111111111111111111111111111	8 1	111111	2	111111	11,11,1	1 1 - 1	2 2 1 2 - 1	6 1 -	TITLE
Dulwich - L. & S. Camberwell $W \omega L^* L^*$ - S. & L. Peckham W - St. George Camberwell - L. & S.	5590 59104 71089 50810	57 61 65	50 54 31	5 11 9	24 13 8	1111	1111	1	1	1 10 2	1111	1 1 1 1 1	1111	1111	1 1 3	2 1 8	24 3 -	1 -
St. Paul Deptford ww - K. St. Nicholas Deptford - K. Greenwich West H K. Greenwich East WHH - K.	76752 7901 21972 24608	86 10 18 27	57 5 11 31	7 1 2 6	12 - 5 9	1111	1111	1111	1	2	1111	3 -	111		1	1 2 2	3 -	3 -
Eltham H K. Lee H K. Lewisham WH K. Sydenham H I.	5048 21559 19865 26076	1 10 26 10	1 6 9 7	2 3	4 2 1	1111		1111	THE E	1 1	1	Principle.	1111	1113	111	1 1	1	7 5 1.51
Chariton H// K. Woolwich Dockyard K. Woolwich Arsenal HH : K. Plumstead, West H K. Plumstead, East W K.	10980 17617 1904- 14009 19241	9 16 15 9 40	1 13 11 8 20	1 2 2 3 7	5 5 1 5	11111	unin	11111	1111	11111		1 1 1		11111	- 1 2	2	11114	3 1 1
Metropolitan Asylum Hospitals: Dartford w Winchmore Hill w Plaistow w	13-11	1111		1111	111	1111	1111	111	4-1-1	1.11		111	111	1111		1 1 1	1111	111

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the above Table by we-

we Table by w:—
Marylebone Infirmary in Kensington Town sub-district.
Central Loadon Sick Asylum in Tottennam Court-road sub-district.
Holborn Infirmary
In Upper Holloway sub-district.
Hatson New Town sub-district.
Historn New Town sub-district.
Mile End Old Town Eastern sub-dist.
Addle End Old Town Eastern sub-dist.
Mile End Old Town Eastern sub-dist.
Add Bromley sub-district.
Private Lunatic Asylvins in which paupers are received.

Stepney Workhouse in Bromley sub-district.

Poplar & Stepney Siok Asylum
Westmuster Union Industrial School in West Battersea sub-district.

St. Saviour's Infirmary in Camberwell sub-district.

Metropolitan Asylum District Hospitals in Fulcam, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London.

Strand and Holborn Workhouses outside Registration London.

TABLE 6.—LONDON.—OUTER RING. — AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 4th January, 1890.

and	CHARLEST RESERVED	THE PARTY	1000	Weel	c endi	ing Sa	aturda	ay, 4t	h Jai	auary	, 189	0.	701	W. N		The same	1914	
Regis-	and the second second	Area	-				-	-	The Di	EATHS	registe	ered in	the W	Veek in	ielude			
tration	Sales Sales	Acres,	Enume-	3000	TAKE !	Deat	ths of			13.	Deaths	from						100
District and Sub-' district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-por.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes of Death.
LON	DON-OUTER RING	370,924	950,957	836	550	119	140	-	8	4	7	18	3	3	13	24	66	6
80:1	Carshalton wL Epsom (part of)* WwH	12228 9971	21118 10710	12 7	20	1 2	7	1.1	-		-	1	CALL TO	1-1	-	1	15	-
37:1	Godstone (part of) * -:	2754	1235	-	1	-	1		-	-	-			-		-	1	-
38:1	Croydon WwEHI -	20851	101241 17982	82	79	16	25	-	3	1		6	1	1	2	6	15	1
39:1	Wimbledon HHH -	3220	15950	9	4	-	-		-	13-6	-	-	-	18-	-	-	0-6	-
2 3	Kingston WHH Esher (part of) * -	8549 6601	36354	28	9	2	2	-		-	1	-	1000	10	2	2	1	
4	Hampton H	4573	9221 13539	8	6 9	3	3 4		-	1		-	4 64	-	2	2	-	102
40:1	Richmond WH	2272	21302	11	8	2	2	1-1	9-	1	1	1	1	4-	1	1	2	15
41:1	Mortlake)	2941	12331	6	7	-	3		-	-	1000	1	Sign.	1 To	-	1	130	12
2	Bromley (pt. of) * HH Chishrst(pt.of) * WHH	15669 14807	31142 15844	23	9	1 2	3 1	-		-	2	1	-	-		-	-	10.7
42:1	Bexley H	18437	24134	20	13	4	6	-	13-11	-	1	-	7-1	1	1	1	3 4	1.1
2	Dartford (Ww, pts. of)*	-		-	1	-	1	-	-	-	i	1	-	-	1	-	1	10
124:1	Sunbury to Staines W	11055	11685 12089	11 9	4 5	3	1 1		1		-	-	3		1	2 2	1	
125:1	Hillingdon WHH -	6029	10802	9	4	2	2	-	-	-	1/1-1	1	-	-	- 4	-	-	
3	Uxbridge Hayes wHL	6178 14587	3225 11528	1	4	2	1		1	14-	-	-10	11 7	W.T.	1177		8	-
126: 1	Isleworth WHH	7008	22727	6 21	9	2	4 8		1				20				2	1/1 A
2	Twickenham H	2477	12479	7	5	1	2	-	159	-	1	-	-	12.	1-	-		11/2
8	Brentford HL	4345 1340	27649 15975	27	15	2	4	-	-	1	1	I	1	-	-	1	7	12
5	Acton wH'	6088	22876	16	9	1	2	-	7-	1-	-	-	-	-	-	1	-13	1-1
127:1	Harrow H	13809	12796	6	2	-	1-	1-	1	-	-	-	-	-	-	-	100	1-1
3	Edgware H Willesden	6994 4383	3749 27453	35	16		1	11-	-	-	1	I	-	-	-	1	-	-
13.7	Hendon W	8382	10484	11	13	5	2	-	-	-	-	-	1	= 1	-	-	8	-
187:1	Bushey Watford (W, pt. of)* -	9881	6621	6	4	-	1	1	-	-	1=	1	-	-	-	1	1	Maria de
128:1	South Mimms	15599	6391	2	3		1	-		-	14			1	1	400	N. T.	330
3	Barnet	5488 4688	10092	6	5	1	3	-	-	-	10-	1	-	-	-	1	1	-
185 : 1	Finchley HL Hatfield (part of) * -	3806	17615	17	10	1	1	4/4		13		1	1.		177	1 (41)	4	To the
128:1	Hornsey H	3039	37078	1 16	6		3	-	1	1	-	1	12	1	1	1		1
2 8	Tottenham H Edmonton Ww 1 -	4642	46456	73	33	6	12	-	-	-	1	2	1	-	-	-	1	100
4	Enfield WH	7483 12653	23468 19104	30	10	3	1 3	1	1	-	1	1	-	-	1	1	1	1
5 6	Waltham Abbey Cheshunt	11017 8480	5368	5	1	-	8-	14	-	4	100	-	-	-		-	12	-
186:1	Stratford	882	7735 38606	5	70	-	-	100	T	17	1	1	1	-	1	The same	179	
25	West Ham wwwwH \$	3785	90347	29 116	18 92	18	3 13	13	-	1	-	2	4-3	-	1	1 20	10	3
3 4	East am Leyton WwL	3266 4372	10706 32430	29	6 29	2 7	2 6	1	-	-	1	1	-	-	12	1	7	1
5	Walthamstow H -	6520	28869	28	18	5	7	-	2	1	-	-	1	-	-	-	-	1
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761 3266	9669 10206	5	4	2	7-1	-	1		-	-	1-	1	1	1	1	-
189:1	Romford (part of) * W	6730	3411		1	i	1	1	1	1		-	-	-	1	-	1	-
- 2	Ilford	8493	7645	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-
3	Barking Town	4127	9203	12	4	2	2	1 -	1 -	1 -	-	1 -	1 -	1 -	1 -	-	1 -	1 -

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow * The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—
80: 2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37: 1, the parishes of Warlingham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromley sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Northaw in Hatfield sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 189: 1, the varish of Dagenham in Romford sub-district; also leaths in Workhouses belonging to the Outer Ring in 42: 2, Darfford, 137: 2, Watford, and 187: 1, Epping, sub-districts.
† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

§ Exclusive of deaths of London residents in the Mospital, Winchmore Hill (see Table 5).

Metrepolitan Asylum Hospital at Plaistow (see Table 5).

On 1st January the two parishes of East Ham and Little, Hord were reparated from the registration sub-district of Weat Ham, and were constituted the registration sub-district of East Ham.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 4th January, 1890.

The Part of the State of the St	1000	ALLE OF	ANNUA	L RATE		13419	The DE	ATHS	regis	tered	in th	ne W	eek is	nelud	e	
GREATER	Area in Acres.	Estimated		Diving.	DEATHS	Deat	hs of			1	eath	s fron	a		- 7	Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
REATER LONDON	448,334	5,758,500	26.5	2.2	2921	517	790	-	44	19	39	116	15	13	104	561
INNER LONDON - OUTER RING -	77,410 370,924	4,421,661 1,336,839	28.0	2.4	2371 550	398	650 140	01 10	36 8	15 4	32 7	98 18	12	10 3	91 13	495 66

NOTE.—The area of Greater London is 448,334 acres: of which 4,892 acres are tidal water and foreshore. This area is equal to 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8.—Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 16,935,747 Persons.

		Man 3			HOLD THE		DE	ATHS	FROM D	PRINC		CYMOI	
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETUR Week endi	Filt !	BIRTHS. Exclusive o	DEATHS.	ANNUAL DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœal Diseases.
CALCUTTA	433,219	November	18		263	31.6	3	-			1	95	52†
BOMBAY	773.196	December	3	368	361	20.6		3		9	2	97	18
MADRAS	398,777	November	15	349	269	35.1	-	1	2	2	5	87	46
	47			- Balling	2004			01		0.00	17	49	-
PARIS	2.260.945	December	28	1317	2334 229	53.7	3	21	1	32*	2	1	58 18
BRUSSELS with 8 Faubourgs.)	471,606	,	28	243		25.3	- Line			1	2000		18
AMSTERDAM .	403,083	35	28	251	190	24.7	-	1	-	5	2	2	-
ROTTERDAM -	197,723	,,	28	153	99	25.9	100	-	-	-	3	-	2
THE HAGUE .	153,440	32	28	99	52	17.6	-	-	-	-	2	-	-
COPENHAGEN -	307,000	13	28	187	161	27.4	-	-	2	11	4	lan .	3
STOCKHOLM .	228,218	39	21	158	181	41.2	1-11	-	3	1	2	1	7
CHRISTIANIA -	138.300	"	28	68	53	19.9	-	3	-	6	-	-	3.4
ST. PETERSBURG	842,883	"	14	18 - No.	626	38*8	-	18	23	14	4	13	15
BERLIN	1,489,672	,,	14	893	768	26.5	-	4	7	43	9	8	.5
HAMBURG(State)	575,276	33	21	374	271	24.6	-	1	1	11*	3	6	19
DRESDEN	264,196	"	21	178	98	19.3	-	1	-	8*	-	-	- 12
BRESLAU	315,000	>>	28	171	152	25.1	-	1	2	4*	2	3	5
MUNICH	281,000	"	21	190	145	26.2	-	4	-	9*	-	-	13
VIENNA	811,434	2)	21	491	464	29.7	1	11	2	6	2	2	18
PRAGUE	304,356	,,	21	-	154	26.4	1	4	5	2	1	1	5
BUDA-PESTH -	452,907	,,,	21	303	267	30.6	-	2	-	12	-	13	17
TRIESTE	158,084	33	21	-	92	30.3	1	. 2	4 -	1	-	1	. 3
ROMB	407,936	October	19	250	174	22.3	-	1	-	2	2	103	21
TURIN (10 days)-	306,398	December	10	- 2	121	W-8 1	-	11-	-	-	-	4	-
VENICE	154,369	33	21	80	108	36.5	21	-	-	-	1	-	6
CAIRO	374,838	,,	12	446	370	51.5	-	-	100	5*	4	14	: 16
ALEXANDRIA -	231,396	,,	12	244	176	39.7	3	-	1	-	1	10	39
	(Branch)	1	14		640	21.3		3	5	28	5	7	18
NEW YORK -	-,0,0,0	"	14	131118	328	20.3		-	2	35	2	6	3
BROOKLYN -	834,607	"	14	MAN IN	366	18.4	-	5	8	17	1	11	2
PHILADELPHIA -	1,040,245	"	14		158	16.2		-	-	7	4	4	112
BALTIMORE -	500,343	October	26	Branch L	99	20.3	-	-	-	5	1	6	2
NEW ORLEANS -	254,000	October	26	1	99	200	1000	1	1 12	- 1	1		1 5

^{*} Including deaths from croup. † Including 19 deaths from cholera. ‡ Including 7 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROXAL UBSERVATORY, GREENWICH, during the Week ending Saturday, JANUARY 4TH, 1890. [Under the Superintendence of the Astronomer Royal.]

-		4	No.	1.1								9		servanons,	
		Ozone.	nama	0.0	0.0	0.0	0.0	0.0	0.5	2.3	7.0	27	a; no	r. are ission adding mum en adding mum en application application application and the and the The sand show of the 22s in.	3rd;
Rain	collected in a	Gauge	surface is 5 inches above the Ground.	in. 0.00	₹0.0	00.0	00.0	00.0	90.0	10.0	Sum 0.11	26	vel of the sea;	monneter an alica de la discontra mean re- mean re- mean re- no of the maxis. Photograph photograph move stall	on the
			Depar- bure from Average of 16 Years.	Miles.	-225	-171	-200	-103	-224	- 40	Sum -1189	25	n level c	uno the uno the proceed from or the by or the by or the by the process of a process of the proce	9h. P.M
rs.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	81	138	ш	210	16	276	Sum 985	24	e the mearel.	application of corrections deduced from a discussion the twenty years ending 1875 for the barometer, and the thermoneters. With the corrected mean reading the corrected mean reading the mean daily value of the maximum temperature and degree of humidity are deduced and wet builb thermometers by cliablace's Hygrothat derived from a discussion of the photographic years ending 1865, and that of horizontal movement netric records for the 16 years ending 1875. The borne in mind that + indicates "higher," and the borne in mind that + indicates "higher," and then see suspended at a depth of two feet below iss of the Roreign Cattle Market at Depticut, and terk of the Market, under instructions from the rom Thomson's self-registering Electrometer. The negative; w. weak; m. moderate; s. strong; and net Campbell-Stokes Sunshine Instrument, show beervations are to be understood as applying to the from SU-IIIn, at the beginning of the week to 39:29; in. 31. by 81. P.M. on the Sist of December.	45 in. by
momete	3 /	he	Mean of 24 hourly obs.	lbs.	0.0	0.0	0.0	0.0	0.0	0.5	:	23	sea leveraler	correct ars and correct ars and ars and ars and ars are are are are are are are are are arket, as self-weak arket, as self-weak arket, as the b	to 29
om Ane		Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0		22	159 feed uce to no. 3h.	in the many of the money of the	reased
luced fr		Press	Great-	lbs. 0.0	0.0	2.0	0.0	₹.0	0.0	1.9	:	21	eter is to red	pulciple publication of the twe enther twe enther the corn and we must de cars electric re be bon ames is of trik of the C on The negation regation on The corn and the C on a servation son solvation solvati	y; dec
Wind as deduced from Anemometers	Osler's.	General Direction.	P.M.	ENE. & SW.	SSW. & SSE.	SSW. & SSE.	SE. & ENE.	E.	ESE.	SSW. & S.	Variable.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no Correction has been applied to the readings to reduce to sea level. Observations are usually taken at 91, A.M.; noon; 31, P.M.; and 91, P.M. The means of the	une up, on the defining a 1888 for it is 1888 for it is 1888 for it is a complex of the definition of	1st of Januar the end of the
			A.M.	Calm.	SW. & Calm.	Calm.	SW. & SE.	ri i	ESE, & SE.	SSW.	Var	19	the cistern een applied t are usually t	other than 19. The national and and a distribute of the philographic records in during the twenty years ending the dry bub thermometer is and minimum thermometers and minimum thermometers (column 8). The mean daily values of the average temperature of records made at Greenwich dust of the air from a discussion of the reading the columns 9 at — "Graver," than the average and sirous and air surface, at the columns 9 at the surface, at the end of one their readings are registered Corporation of London. The record of Electricity is grambols employed are :—P. P. V. variable. The numbers in column 29, discussible, the surface of all the numbers in column 29, discussible, the results of all the neter of the aggreeate duration of bright results of all the neter of the aggreeate duration of bright across of the backing the breading of the baroneter of the reading of the baroneter of the aggreeate duration of the baroneter of the aggreeater o	o 29.62 in. by
E.	Water	of the Thames at Deptford.	Low-est.	° 68	9.68	38.2	38.1	38.4	87.0	86.3	38.5	18	ight of the part of the partions	or the property of the propert	n. by
TEMPERATURE	Of the	of the	High-	41.4	41.1	9.04	40.1	1.69	38.2	37.7	8.68	17	The hei	oonvorted into a convorted into a convor	30.23 i
EMPE	100	Radiation.	Lowest on the Grass.	18.8	27.2	23.6	18.4	29.9	30.2	34.5	26.1	16	cor		an
I	1		High. est in Sun's Rays.	0 33.1	36.0	8.09	58.5	41.8	38.0	1.99	6.55	15		fog pre- very coid, snow in snow in generally rds, with therwards cloudless	
	Degree	of Hu- midity (Satu-	equals 100).	100	100	06	92	66	66	96	16	14	2	ht ht ht ht ht ht ht ht	
Ween	rature	re.	Least.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	MARE	Cloudy; dense afternon. A foggy. Slight till atternon itill atternon ercast afterwa ercast afterwa frein.	
ence het	Tempe Dew Po	nperatu	Great-	0.0	8.0	8.9	5.0	1.4	1.5	27	8.8	12	L RE	ing. Cland and fog and fog ouds till for ouds till slight rashing y in mo	
Differ	the Air Temperature	Tel	Mean daily value.	0.0	0.0	2.2	0.7	0.1	1.0	1.1	8.0	11	GENERAL REMARKS.	in morning. Cloudy; dense fog slly; gloomy in afternoon. A very Gloomy and foggy. Slight snow foggy. Slight snow arisble douds till atternoon; cloud an overeast. Very fine and gene overeast afterwards, in morning. Very fine and gene evening; overcast afterwards, Evenung; in morning; fine afterwards, all showery in morning; fine afterwelouds till evening; generally clouds till evening; generally clouds	
	Of the	Point.	Mean daily value.	0.	82.6	6.87	28.4	33.1	85.8	41.7	82.0	10	GE	rost in rerally rest in recally rest in the recall rest in rest in till cost in till cost in till cost in st.	
RE.		-	De- parture from Average of	-12.3	6.9 -	6.9 -	1.4 -	1.4-	- 4.8	+ 2.1	- 5.3	6		Hoar frost in morning, Cloudy; dense fog pre- valied generally; gloomy in alternoon. A very coul, leak day. Overact. Gloomy and foggy. Slight snow in morning. Overact and foggy in early morning; fine sitex- wards with variable clouds till atternoon; cloudless fill night; then overcast in atternoon; cloudless fill night; then overcast. Hear frost in morning. Very fine and generally slight fog. Overcast. Overcast. Erquent slight rain. Overcast and showery in morning; fine alterwards with variable clouds till evening; generally cloudless at night.	THE REAL PROPERTY.
TEMPERATU		Air.	Mean daily value.	96.4	32.6	131.4	30.4	33.5	33.0	42.8	32.8	00	n abov orizon, hours.	7.8 7.9 7.9 7.9 7.9 55.0	80
TEMP		Of the Air.	Daily Range.	0.4	3.7	14.7	8.3	8.8	4.3	13.0	8.5	7	Registered Sun abov Sunshine, Horizon, in hours.		-
-			Low-est.	22.0	30.4	23.8	26.2	81.3	9.08	34.9	28.2	9	Regista Sunsh in hou	0.0 0.0 0.0 0.0 6.0 5.0 5.0	539
-	1		High-	31.7	84.1	38.2	34.8	35.1	34.8	6.44	36.7	2	r. n of te.)	l v P. in so of registrates as of registrates discussion of the solution of th	
BARO-	-		rected and re- duced to 32° Fahren- heit).	in. 30.131	30.223	30.148	80.503	29.305	29.209	29.574	29.955	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. N. and v. P. in morning; loss of registers deaders from deaders of the control	87
-	1	Phases of the	Moon.		Equator.	:	:	:	:	:		62	(For e		
1	00	•	r And	. 29	. 30	. 31	· 1	61	00	-	•	Jol	E.	8 8 5 7 8 8	1.
-	1880_00	2004	Моити амр Day.	BUN 2	Mon.	TURS.	WED.	THURS.	FBI.	SAT.	MEANS	No. of Col.	DATE. DECEMBER	SUNDAY . MONDAY . TUESDAY JANUARY. WEDNESDAY THURSDAY FRIDAY .	No. of Col.
			100							-					-

OFFICIAL COPY.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 2. 1890. Vol. LI.] WEEK ENDING SATURDAY, JANUARY 11. [Price 11/2d.

General Register Office, Somerset House, 13th January, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in Twenty-eight Great Towns of England and Wales corresponded to an annual rate of 28.1 per 1000. The death-rates in each of the last four weeks in the several towns, alphabetically arranged, were:—

	Weeks ending		Weeks	ending
Towns.	Dec. Dec. Jan. Jan. 21. 28. 4. 11.	Towns.	Dec. Dec. 21. 28.	Jan. Jan. 4. 11.
Birkenhead Birmingham Blackburn - Bolton - Bradford* - Brighton - Bristol - Cardiff* - Derby - Halifax - Huddersfield Hull -	14 · 8 20 · 4 16 · 4 17 · 4 26 · 3 20 · 4 23 · 5 24 · 5 33 · 6 31 · 4 31 · 7 21 · 9 33 · 2 21 · 8 31 · 1 21 · 2 23 · 3 19 · 3 25 · 4 24 · 1 14 · 1 20 · 1 18 · 1 18 · 1 23 · 4 21 · 4 26 · 3 23 · 8 21 · 8 19 · 0 24 · 1 23 · 2 28 · 1 16 · 9 22 · 2 27 · 4 22 · 5 23 · 2 22 · 2 19 · 1 20 · 8 18 · 5 16 · 6 23 · 8 25 · 1 25 · 3 24 · 6 24 · 6	Liverpool - London - Manchester - Newcastle-on-Tyne* Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford*	27·6 26·7 21·8 20·3 32·1 26·6 27·6 26·6 24·8 11·6 18·9 16·9 24·9 22·7 27·4 28·7 22·5 25·1 26·5 27·0 21·4 24·5	27·5 24·7 28·0 32·4 32·8 33·8 25·0 28·5 19·7 19·7 17·7 19·4 19·9 24·2 26·5 30·4 28·5 20·4 32·2 23·8 22·6 19·8 24·4 26·6
	$\begin{bmatrix} 25 \cdot 1 & 25 \cdot 3 & 24 \cdot 6 & 24 \cdot 6 \\ 24 \cdot 8 & 25 \cdot 8 & 27 \cdot 1 & 29 \cdot 0 \\ 17 \cdot 0 & 19 \cdot 4 & 14 \cdot 5 & 21 \cdot 3 \end{bmatrix}$	Sunderland -	21.8 24.1	21 · 8 26 · 4 28 · 1 19 · 4

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.6 in Norwich; from scarlet fever, 2.6 in Plymouth; from whooping-cough, 1.1 in Portsmouth, 1.2 in Liverpool, 1.3 in London and in Wolverhampton, 2.0 in Hull, 2.3 in Bolton, and 3.1 in Bristol; and from "fever," 1.1 in Huddersfield. The 40 deaths from diphtheria in the twenty-eight towns included 26 in London, 3 in Liverpool, 3 in Salford, and 2 in Manchester. No death from small-pox was registered in any of the twenty-eight great towns.

LONDON.

In London 2818 births and 2747 deaths were registered. Allowing for increase of population, the births exceeded by 89, and the deaths by 810, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21.8, 20.3, and 28.0 in the three preceding weeks, further rose last week to 32.4, and exceeded the rate in any week since December 1873, excepting the fifth and sixth weeks of 1880, and the sixth of 1882, when, under the influence of continued cold and fog, the rate rose to 46.7 and 34.5, and 36.7 per 1000 respectively. During the thirteen weeks of last quarter the death-rate averaged only 17.8 per 1000, and was 2.7 below the mean rate in the corresponding periods of the ten years 1879–88.

The 2747 deaths included 24 from measles, 13 from scarlet fever, 26 from

The 2747 deaths included 24 from measles, 13 from scarlet fever, 26 from diphtheria, 112 from whooping-cough, 11 from enteric fever, one from an ill-defined form of continued fever, 12 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 199 deaths were referred to these diseases,

being 42 below the corrected average weekly number.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; but nine years after the last enumeration such an hypothesis is obviously somewhat untrustworthy.

^{61202.-2. 610.--1/90.} Wt.

No death from small-pox was registered, the corrected average being 12. The 24 fatal cases of measles showed a decline, and were 42 below the corrected average. The 13 deaths from scarlet fever also showed a decline, and were 24 below the corrected average. The 26 deaths from diphtheria were fewer by 6 than the number in the previous week, but were 9 above the corrected average. The fatal cases of whooping-cough, which had steadily increased in the seven preceding weeks from 31 to 98, further rose last week to 112, and exceeded the corrected average by 34; 45 occurred in the South and 27 in the East groups of registration districts. The 11 deaths from enteric fever showed a further decline from recent weekly numbers, and were 4 below the corrected average.

The deaths primarily attributed to influenza, which had been 4 in the previous week, rose last week (excluding cases in which influenza was stated only as a "secondary" cause) to 67. The deaths, however, referred to diseases of the respiratory organs, which had been 518, 467, and 843 in the three preceding weeks,

further rose last week to 1069, and exceeded the corrected average by 522.

GREATER LONDON.

In Greater London 3640 births and 3348 deaths were registered, corresponding to annual rates of 33.0 and 30.3 per 1000 of the estimated population. In the Outer Ring 22 fatal cases of whooping-cough, 6 of measles, 6 of scarlet fever, and 5 of diphtheria, were registered. In Croydon sub-district 4 deaths from whooping-cough and 3 from scarlet fever were registered. Two fatal cases of scarlet fever occurred in Epsom, and 3 of diphtheria in Walthamstow sub-districts.

DEATHS BELONGING to the SEVERAL SANITARY AREAS OF REGISTRATION LONDON registered in the 13 WEEKS ENDING ON 28TH DECEMBER, 1889.

											89.	
SANITARY AREAS.	Total Deaths from all Causes.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria. u	Whooping- cough.	Typhus,	Enteric · · Fever.	Simple and Undefined Fever.	Diarrhœa.	Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1900 Births registered.
REGISTRATION LONDON	18,987	1	323	261	439	455	7	193	10	253	4345	137
WEST. Paddington	452 604 427 280 462 271 801 105		3 - 10 18 - 1	3 7 7 11 5 2 6 3	10 19 15 - 9 6 7	14 11 19 13 19 1 6	1111111	7 9 7 3 4 4 1 3	1	6 4 4 12 7 7 6 3	101 105 108 118 104 50 54 22	146 117 159 162 147 124 151 153
NORTH. Marylebone	669 194 1118 1308 863	11/11	9 1. 24 11 6	1 8 14 16	11 8 30 24 34	11 5 29 17 9	-	6 4 10 22 9	1 1 2	1 17 12 10	140 52 234 302 178	131 143 132 130 109
CENTRAL. St. Giles -	221 69 142 198 359 246 223		1 - 22 10 2	1 2 3 7 3	2 1 1 6 5 3	5 1 1 2 2		3 - 2 4 1	11111	3 1 - 2 8 3	45 16 33 \$8 88 56 23	154 281 209 165 157 124 159
EAST. Shoreditch Bethnal Green	663 776 408 803 387 661 793	1111111	7 46 20 7 20 40 1	20 13 - 5 8 23 4	29 82 12 10 12 24 12	12 84 6 2 14 16 18	1 1 1	4 5 3 2 6 8 7	1 - 8	17 4 11 7 9 8 13	176 171 85 74 88 354 206	160 148 127 170 164 157
SOUTH. St. Saviour Southwark St. George Southwark Newington St. Olave Southwark Bermondsey Rotherhithe Lambeth Battersea Wandsworth Camberwell Greenwich Lewisham (excluding Penge) Woolwich Plumstead	147 201 561 76 414 165 1'53 57 471 490 712 228 205 210	1	2 1 4 8 2 11 1. 8 15 3	4 4 16 1 1 4 - 19 7 4 14 10 11 12	5 1 13 -6 8 27 10 12 20 0	5 - 54 - 22 - 54 - 22 9 - 40 - 23 - 3 - 6 - 6	111411111111111111111111111111111111111	3 13 -4 -12 8 5 9 4 5	1 1 - 1 - 1 - 1 - 1	3 5 3 8 5 3 8 12 6 4 7 7 10 3 1 1	23 86 129 14 106 44 283 146 92 240 171 60 51	112 116 164 137 117 185 135 129 112 95 184 132 141 169 119

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 27 that occurred outside that area in the Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Asylum Hospitals, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand the deaths of 333 non-residents who died in Public Institutions inside London have been excluded from the Table.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.97 ins.; the lowest reading was 29.58 ins. on Sunday morning, and the highest 30.21 ins. 29.97 ins.; the lowest reading was 29.58 ins. on Sunday morning, and the highest 30.21 ins. on Tuesday evening. The mean temperature of the air was 47.6, and 9.9 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed a considerable excess on each day of the week, the warmest day being Monday. The general direction of the wind was S.W., and the horizontal movement of the air averaged 18.8 miles per hour, which was 5.6 miles above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.40 of an inch. The duration of registered bright sunshine in the week was 10.1 hours, against 10.5 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of December 1889; according to their returns 163,651,490 gallons or 743,544 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 216 gallons (98.1 decalitres), being rather less than a ton by weight, to each house, and, assuming 7.8 persons to each house, 27.7 gallons (12.6 decalitres) to each person, against 26.4 gallons in December 1888.

COMPANIES		Houses, &c.	Average daily S in Ga	
00212	DECEMBER. 1888.	DECEMBER. 1889.	DECEMBER. 1888.	DECEMBER. 1889.
TOTAL SUPPLY	746,277	758,556	153,616,885	163,651,490
From Thames	359,673	365,574	75,789,338	82,662,756
	386,604	392,982	77,827,547	80,988,734
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,764	35,197	8,839,097	9,557,123
	71,095	72,562	14,125,189	15,043,004
	110,407	111,736	21,084,715	23,208,392
	55,093	55,870	15,898,537	16,828,037
	88,314	90,209	15,841,800	18,026,200
LEA AND OTHER SOURCES. New River East London	151,775	153,133	28,656,000	29,919,000
	163,368	166,619	38,591,415	39,629,964
	71,461	73,230	10,580,132	11,439,770

Note.—The Return for December 1889, as compared with that for the corresponding month of 1889, shows an increase of 12,279 houses, and of 10,034,605 gallons of water supplied daily.

Analysis of Metropolitan Water Supply during December.

Water-analysis Laboratory, The Yews, Reigate, 8th January, 1890.

SIR, I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of December.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.6, New River 0.8, Colne Valley 1.2, Tottenham 1.5, West Middlesex 2.4, Southwark 2.5, Lambeth 2.6, Grand Junction 2.7, Chelsea and East London 3.0.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was in every case of better quality than that delivered in November.

All these Companies supplied efficiently filtered water.

The water obtained chiefly from the River Lea by the New River Company was again of high organic purity, whilst that drawn from the some source, but lower down the stream, by the East London Company was of the same quality as the worst of the Thames waters. Both waters were efficiently filtered.

в 2

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity, the Kent supply being again especially distinguished in this respect. All these waters were clear and bright, that of the Colne Valley Company was softened before delivery, and was thus rendered suitable for washing.

Seen through a stratum two feet deep, the waters presented the following appearances:-Kent, Colne Valley, Tottenham, and New River, clear and colourless; the remaining waters clear

and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear and bluish-green in a two-foot tube. The organic carbon and nitrogen compare very favourably with any of the samples examined during the year."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little

suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

							_				
OR :	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsea	Cab Rank, Horse Guards, Whitehall.	o 5'3	31.10	•144	*034	0	•273	*307	1.9	21.2
i	West Middlesex -	{ December 9th, Cab Rank, Portland-road.}	4.7	31.42	•117	.025	0	.285	.310	1.9	22.1
	Southwark	The company of the control of the co	5.0	31.76	•127	•021	0	*259	*280	1.9	22.7
Inner Circle.	Grand Junction .	Cab Rank, Uxbridge-road, near Marble Arch.	8.5	31.86	•136	.026	0	*311	*337	1.9	22.7
Inne	Lambeth	Cab Rank, St. George's- road, Southwark.	4.3	32.10	•129	.027	0	•303	*330	1.9	22.4
	LEA. New River	December,9th, Cab Rank, Tottenham Court-road.	3.9	33.00	•089	.011	. 0	*365	*376	1'8	23.9
	East London •	Example 2 December 9th, Fire Brigade Station, Commercial-road, E.	4.4	36.10	142	.037	0	•283	*320	2.0	26.3
le.	DEEP WELLS. Kent	December 9th, Mill Lane, Deptford.	12.5	42.60	*024	.011	0	*523	•534	2.6	31.4
Circle	Colne Valley	Bushey.	-	17:30	*053	*015	.002	'425	•442	2.1	6.7
Outer	Tottenham	{ December 19th, Tottenham. }	-	46*00	.072	.017	*045	•473	•527	3.3	27.5
Cor	poration of Birming- am* .	December 11th, 3 Court, Clark Street,	7.2	28°16	•117	.012	*002	•330	*346	1.8	16.4
Cor	poration of Glasgow+-	{ December 16th, Loch Katrine Water. }	5'8	2.60	•129	.029	0	.003	.032	•75	1.11
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
 Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to read thus:—the Chelsea Company's water, collected on the 9th December, at the Horse Guards cab-rank, had a temperature of 5°·3 C.; 100,000 lbs. of it contained 31·10 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·144 lb. of carbon and ·034 lb. of nitrogen. The above quantity of water also contained no ammonia, and ·273 lb. of nitrogen in the form of nitrates and nitrites whilst the total argument of combined. and 273 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 307 lb. The above weight of water also contained 1.9 lbs. of chlorine; and 21.5 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same

operation transforms the hardness in the Table into degrees of hardness on Clark's scale,

2
200
2
.53
~
3
223
72
•
this
t
Films.
of
0
8
80
88
Bage
and a
st pag
rat pag
irst pag
first pag
first !
first !
on first pag
first !

																								_	_	_			_
SAIWAD	BOROUGHS,	Cols.	- 28 Towns.	London.	PORTSMOUTH.	NORWICH.	FLYMOUTH. BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	DERBY.	BIRKENHEAD,	LIVERPOOL.	Borron.	MANCHEBIER.	SALFORD.	BLACKBURN.	PRESTON.	HUDDERSFIELD. HALIFAX.	BEADFORD.	LEEDS.	SHEFFIELD.	HULL,	NUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	DUBLIN.
PALE.	In Centi- metres.	24.	1.35	1.02	- T	1 2	1.52	0.46	ŧ	1 9	10.04	1	18.0			1 2		1		1.12	-	1	94.0	1.60	1.47		2.01	4.11	0.53
RAINFALL	-səqouI ul	23.	0.53	0.40	70 -	- 1	09.0	0.18	1	1 500	0.87	ı	0.35	1				1	1 1	季季.0	1	1	0.30	0.63	0.28	1	64.0	1.65	0.51
AIR,	Jentigrade.	22.	90.8	29.8	3	1 9	8.80	6.94	1	1	68.2	ı	8.56	,	1			1	1 1	8.00		1	8.17	6.72	90.2		71.7	19.4	8.33
OF THE A	*tiednerda'	21.	46.5		#p. 0#		#.a.#	Q. FF	1		7.9	1	4.1.4	1	1	1 1		1	1 4	46.4				_	_	3	6.44	45.8	_
TEMPERATURE OF THE AIR	Beit Lowest	20.	32.2	2.98		-	88.5			1 3	7.9	,	₹0.4	1	Ł	2 1		8	, ,	55.55				===	0	1	=	36.5	-
EMPER	Fahrenheit, Lowest	19.	56.2 3	55.0 3			55°1 8		1	1 5	55.3	ı	2.99	1		8 1	1 3		1 1	54.0		1				1	53.8	55.0 3	-
		18.	2.1	4.60	-	8.80		1.9 5	1.2	8.0		0.0		07 07	2.2	27.00	9 60	1.0	0.0	0.7		9.1				0.0	6.5	2.1	
Annual Rate per 1006, corresponding to the	Krom All Seeses. Gausess. mor4	17. 1	28.1	32.4		2.61		19.4		21.3	_			-		8.61			23.8	94.1					28.2			32.5	_
jeuse	sou to seems!	16.	80	14 3	-	1 -		1 1	_	20 5	1 22	- 1	_	ed 20		27 6	[G]	- 53	1 28	_	- A	_		- 20	1 20	-	-	33 35	ī
1	Desthein Public snoitutitenI	15.	887	10	1 10	1 1	21	ಣ	32	7.4		9		20	64	D. C.	4	-	ന പ	50	20			4	13	4		24	-
	Inquest Case	14.	363	192	4 63		H 00	4	14	9 1	o H	. 9	17	c 3	32	4 10	4	1	07 F	2.0	15.	1	00	20	11	∞ ·	a.	٥.	-
lude	Violence.	13.	136	35	-	1 -	1 89	1	20	٦ ،	9 11	4	16		14	1 4	9 00		67 1	,	9	00	-	c3	9	00	00	16	
eek include	.sentraid	12.	36	12	1	67 -	()	1	1 1			1	-	1	9	49 1	63	-	1 1	-	1 63	ı	ı	-		1	1		*
the W	Feret.	F	33	12	Н	- 1	1	1			-	1	00	1	က	-			ca 1	67	4	63	2	-	-	1	-	ေ	,
s from	Whooping-	10.	177	112	4 00		14	63	ಣ	1	1	1	14	10	c ₂	4 1	1	1	1 8	8	00	-	00	71	8		9	10	
register	Diphtheria.	9.	40	26		1		1	-	1 1	- 1	-1	60	1.	63	e3	1	4	1 1		-	1	8	-			4	03	
The DEATHS registered in the W	Scarlet.	80	49	13	-	1 4	H 1	1	9	1 :	1 1	-	- 23		4	 65 1		-			9	23	-	-			-	67	-
The L	Messies.	6. 7.	- 55	- 24		es 1		_					1	-	-	1									- 23		23	- 14	-
=	snd upwards.		9	gend 20	2 10	00 9	2 10	29	81	22	19	01	79	6	09	62 %	2 4	12	12			9	37	6	21		-	_	-
eaths of	Persons sged stank 109	5.	147	177	15	03.0	4 37		60	64 6		1 mm	9 6	10	9 6	OI 1			0 7	1 0		-	-		-	29		5 54	
18	tobare stastal	*	w	43(7 77	31 13			65	2		10	1 2	_	9	67 6	7 - 6	1 1 00	2 0				-	_		_	28		
d durin	DEATES.	က်	5235	2747	56	36	106	31	217	9	16 22	· 65	56.	4	246	20.00	52	48	43	· F	202	170	101	69	89	10	174	330	GOO
Registered during the Week ending	Hith Jan., 1890.	တံ	6334	2818	916	73	149	48	270	91	187	69	383	74	318	156	96	89	56	189	264	264	122	101	132	106	148	435	4.00
Z	to the middle of the Year 1890.	1.	9,715,559	4,421,661	123,659	95,352	18,780	83,406	461,865	154,344	244,909	105,049	613,463	115,816	879,487	242,509	123,553	105,163	94,253	940.515	363,799	332,837	213,833	186,506	162,987	210,711	271,185	130,208	929 000
4		Cols.		٠		•		TON	٠	•		•			•			•			٠	٠	•	•	•	•	•	•	
	CITIES AND BOROUGHS.	5	28 TOWNS	LONDON .	BRIGHTON .	NORWICH .	PLYMOUTH .	WOLVERHAMPTON	BIRMINGHAM	LEICESTER *		BIERENHEAD	LIVERPOOL .	BOLTON	MANCHESTER	SALFORD*	BLACKBURN -	PRESTON .	HALIPAX .	BRADFORD	LEKDS	SHEFFIELD .	HULL .	SUNDERLAND	NEWCASTLE*	CARDIER.	EDINBURGH -	GLABGOW .	T) mprin .

TABLE 2. LONDON .- Births and Deaths Registered in the SECOND Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*?	1890
Total Births Males Females .	2595	2486	2665	2808	2681	2876	2695	2623	2556	2671	2906·7	2818
	1328	1268	1362	1425	1370	1503	1363	1333	1293	1329	1480·2	1484
	1267	1218	1303	1383	1311	1873	1332	1290	1263	1342	1426·5	1334
TOTAL Deaths Males Females .	1730	1604	1737	1567	1493	1855	1902	1860	1940	2075	1937·0	2747
	852	816	873	777	758	899	942	893	961	1023	959·0	1436
	878	788	864	790	735	956	960	967	979	1052	978·0	1311

^{*} The numbers in this column are the average weekly numbers in the second weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

2 LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WE

TABLE 3. LUNDON.	DIAIR	5, DE	AIIIo,	anu .	JILIE	OKOLO	JG1 11	i the	22450	THIK	LEEK	WEE	70.
	Oct. 19.	Oct. 26.	Nov.	Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.
Total Births	2518	2580	2623	2658	2522	2517	2321	2270	2535	2513	1815	2961	2818
Total Deaths	1410	1310	1817	1350	1451	1375	1448	1683	1768	1816	1690	2371	2747
Ages at 20 - 20 years - 20 - 40 40 - 60 60 - 80 80 years & upwards	590 209 274 272 65	562 168 250 283 52	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77	660 176 259 222 55	647 184 266 292 59	713 196 294 392 88	719 227 312 418 92	723 216 348 424 105	651 220 332 396 91	834 346 541 552 98	939 367 670 640 131
" {Under 1 year - 1-5 -	320 187 183	276 200 86	323 212 64	310 209 87	343 235 \$9	335 233 93	333 227 87	353 265 95	375 247 97	364 261 98	326 232 93	398 310 126	430 375 134
Deaths from Small-pox " Measles " Scarlet fever " Diphtheria " Whooping-cough " Typhus " Enteric fever - " Simple Contrevery " Diarrhœa and Dysentery " Cholera " all the above-	22	17 27 37 22 1 21 1 15	22 20 31 21 - 19 -	1 20 23 23 24 - 11 - 17	38 24 38 37 1 20 -	33 17 30 31 - 22 2	18 19 33 44 - 15 1	- 41 24 47 47 - 8 2 12	30 12 35 49 - 15 -	35 22 27 60 1 12 -	29 14 26 67 2 13 -	98 - 12 - 10	24 13 26 112 - 11 1 12
mentioned Diseases	300	281	300	318	169 321	152 328	142 345	181	155 552	170 518	170	203 843	199
tory System Phthisis Dis. of Circulatory System	184	141	125 104	141	154 121	169 113	183	161 165	182 163	161	180 158	247	267 275
Violent Deaths Inquest Cases Deaths in Public Institutions	57 112 332	49 101 319	59 123 309	51 97 313	65 122 363	57 114 314	53 113 336	56 128 358	55 124 422	69 156 419	47 121 400	91 195 495	55. 192 535
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	49·4 57·8 41·6	46·7 53·7 41·5	47·3 54·0 41·4	47·3 53·3 40·8	46.8 52.7 41.0	0 44·9 48·2 41·3	37·6 43·4 32·0	32·1 35·8 27·8	38·1 42·5 31·9	43.5 47.3 38.1	89·8 44·0 35·2	32·8 36·7 28·5	47·6 52·4 43·0
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	88 0·70 17·3	94 1·07 8·1	88 0·78 23·1	90 0·26 3·9	93 0·01 11·9	94 0·13 0·0	84 0·32 5·9	85 0·23 8·4	92 0·23 4·4	94 0·33 2·1	90 0·61 3·2	97 0·11 5·0	89 0·40 10·1

METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., L.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and R. A. Whitelegge, Esq., M.D., Nottingnam: J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLaudsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esc., L.R.C.P., F.R.G.S., Medical Officer of Health. Sunderland; and Wm, Lyall, Esq., Newcastle-on-Tyne.

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Second Week of the Year 1890.

		A			_		_			of the lear 1890.		0							
	for the 10 years	:		n the		_			0.		for the	-	Satur	In the day,	11th	Jan	uary	1890	
	ges the 1		_ 1	eath		Ages	ous c	1					ָּע		he A		us 01		
AUSES OF DEATH.	7 3 3			Unde	er	under 40.	under 60.	under 80.		CAUSES OF DEATH.	Averages sks of the 10 1850-89,**		1	Unde 20.	r	under 40.	under 60.	under 80.	and s.
	Corrected 2nd Week	ALL AGES.	0-1.	1-6.	5-20.	20 and un	40 and un	60 and un	Yeupwa		Corrected 2nd Week	ALL AGES	0-1.	1-6.	5-20.	20 and un	40 and un	and	su Years upwards
ALL CAUSES	1937.0	2747	430	373	5 134	367	670	0 64	0 131	Diseases of Organs of Special Sense †}	2.4	1	-	1	-	-	-	-	-
Small- pox Vaccinated; - Unvaccinated No Statement	212.0	-	-	-	-	-	-	-	-	Diseases of Circulatory System }	140.0	275	2	1	13	35	98	116	10
Ieasles	66.3	24	3	20	1	-	-	-		Croup	16.9	17	1	14	2	-	-	Ŀ	-
carlet Fever	37.0	13	1 -	9	3	-	-	-		Bronchitis Pneumonia	16.9 352.3 122.9	715 253	91 35	100 50	8 16	46 63	70	253 16	40
telapsing Fever †	0.0	-	-	-	-	-		-	-	Pleurisy - Other Diseases of Respi-	6'4 48'2	10 74	6	7	1	8	20	27	5
nfluenza	77.5	67 112	37	64	11	24	28	9	2	ratory System }		-			_		_		
Diphtheria	17.0	26	-	17	8	1		-	-	Dentition † Quinsy, Sore Throat † - Enteritis	15.8	16 3 9	5	11	2	-	1		-
imple Continued and \ Ill-defined Fever - \	2.5	1	-	-	1	-	-	-	E	Peritonitis	8·1 7·2 29·7	'4	3 -	-	1	2	1 2 1	2	-
interio Fever	15.0	11	1	1	7	2	-	-		Diseases of Liver Other Diseases of \ Digestive System - \{	29°7	23 45	11	8	3	5	16	5 11	3
holera –	12.9	12	8	2	-	-	-	1	1				_					_	_
emittent Fevert	0'7	Н	-	-	-	-	-	-	-	Diseases of Lymphatic) System & of Ductless }	3.4							_	
lydrophobia – – Handers – – –	0.0	-	-	-	-	-	-	-		Glands †)									
owpox and Effects of \ Vaccination † }	0°3	- 11	6	3	-	-	-	-	-	Diseases of Urinary }	43.1	43	-	1	2	2	17	19	2
enereal Affections - rysipelas	9.8	2	-	-	_	-	2	2											-
yæmia and Septicæmia †	1.9	Į.	-	-		-	-	-	-	Diseases of Generative System Accidents of Childbirth	5.8	5		1	-	3	1	ŀ	-
uerperal Fever ther Zymotic Diseases †	9.5	4	-	_	-	8-	1	-		Accidents of Childbirth-	4.5		몬	-	_	4	_	_	
	1.0			-	П	-		-		Diseases of Locomotive }	8.2	12	L	1	4	3	1	3	
hrush	0.5	-	-	-	-	-	-	-	-	Diseases of Integumen-}	5.2	7	2		-	-	3	1	-
arvation, Want of } Breast-milk †}	1.7	2	2	-	-	-	-	-	-	VIOLENT DEATHS.§									i
leoholism	5.3	21	_	_	-	-9	10	1	1	(Accident.)									
heumatic Fever, }	10·5 2·7	10	-	-	1	3	5	1	-	Fracture and Contusion Gunshot Wound Cut, Stab	22.6 0.1 0.7	18	-	2	1	1	7	4	09 -
heumatism †	3.8	3			-		1	2		Burn and Scald Poison	10.7	11	. 1	- 4	4	1		1	1
ickets†	2.7	5	1	3	1		-		-	Drowning	4·9 14·9	3 14 1	13	ī	-	2 -	1	-	1
ancer	52°8 24'4	66 19	12	6	-	5	28	30	2	Otherwise	2.2						1	_	
abercular Meningitis -	21'4	23	5	12	8	2	1	-		(Homicide.)					1				
hthisis	183.2	267	-	3			112	16	-	Murder & Manslaughter	1.3	1	-	-	-	1	-	-	-
rofula, Tuberculosis – ther Constitutional Diseases † – – }	12.3	14 16	2	5	3	3	4	6	1	(SUICIDE.) Gunshot Wound	0.0								
emature Birth	37.0	65	65							Cut, Stab Poison	0·8 2·0 2·0	2	-	-	-	1	-	1	-
telectasis +	1.9	2	2	-	_	-	-	-		Drowning Hanging	1.1	1	-	-	-	-	-	-	-
ongenital Malforma-}	8'7	7	7	-	-	-	-	-		Otherwise	0.8	3	-	-	-	ī	1	ī	-
d Age	65.6	70	-	-	-	-	-	36	34						-		-		
poplexy	52°9	68 11	-	2	-	2	21 5	36	7	(EXECUTION.) Hanging	0.1	-	-	-	-	-	-	-	-
buvulsions - her Diseases of Brain and Nervous System	54.7	58	47	10	1 5	10	17	34	14	OTHER CAUSES †	67.9	48	40	2	2	2	1	1	-
	,	1					į			years 1880-89, raised by 9°64						-	1	-	

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9°046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When e medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered actitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident murder, usuals aughter, or suicide. All such cases are classed under "accident or negligence."

TABLE S. LONDON .- FORULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLE during the Week ending

													duri	ng t	he V	Veek	end	110
		Laboratoria de la companya de la com					The	DEA	THE	egiste	red i	n the	Wee	kine	lude			
	Enume-			Deat	hs of					Death	as fro	m						1.
REGISTRATION	rated	_	b.	-	60 ds.			1	1	lgb.		10r.	.:				Publie	
SUB-DISTRICTS.	Popu-	BTH	DEATHS.	of Age.	aged	.2		Fever.		100-		(or Fever	n- evel			Cases	0	rtiflad Ca
502 233	1881.	m		r of		(oď-)		ot Fe	heri	ping	um.	ie (ed F	pos	nee.		is in	tiffa.
		Total	Total	nfants Year	Persons Years	Small-por.	Measles	Scarlet	Diphtheria	Whooping-cough	Typhus.	Enterie (o Typhoid)	Simple con-	Diarrhos	Violence	Inquest	Deaths	2000
Management Designation Security Securit				=	- F	902	-	- 20	-	-	-	M.	02	-	-	-	-	-
LONDON	3,815,704	2818	2747	430	771		24	13	26	112		11	1	12	55	192	535	1
WEST DISTRICTS	669,688	446	471	82	139	-	1	3	4	21	-	-	-	2	7	29	117	
NORTH DISTRICTS	905,947 282,238	621 143	579 214	86 31	194 55		6 5	3	9 2	19	_	2	1	2	12	21	98 50	
CENTRAL DISTRICTS	692,788	551	619	80	149	-	9	2	4	27	-	4	-	5	8	57	142	1
SOUTH DISTRICTS - HOS-	1,265,148	1057	864	151	234	-	3	*	7	45	-	4	-	8	19	41	128	F
PITALS OUTSIDE REGISTRATION			-	-		_		-	-	-	-	-	-	-	-	-	-	
WEST DISTRICTS.		00	1	7.	94	-			1	5	-			_		8	4	1
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	68 10	56 23	14	24 10	-	-	-	=	2	-	-	=	-	1	-	7	1
Kensington Town Ww - W.M. & C.	120141 48010	77 11	70 19	12	29 5	-	-	=	=	-	=	-	-	-	-	3 2	20	
C4 Deter Hammarsmith - W.M.	7599 64340	8 55	2 43	1 8	13	-	-	7 70	-	3	=	-	-	-	ĩ	3	2	
St. Peter Hammersmith H W.M. & G.J. Fulham Wow - W.M. & C.	42900 30896	78 17	59 19	18 5	3	-	1	3	2	3	-	-	-	1 -	2	2 5	14	
Chelses North-west WHHHHH- C. Chelses North-west C. C.	24925 32807	8 23	40	8 3	10	-	-	-	-	3	-	=	-	-	1	2	21	ı
May Fair WW G.J.	80353	8	24	3 2	9	1 - A	-	-	1	1	-	-	-	1	1	2	12 15	ı
St. John Westminster HHH - C.	59220 35496 24679	27 30 9	27 21 18	1	5 3	-	-	-	=	2	2.	=	-	-	-	ī	11	١
St. James Westminster WHH N.R.&G.J	29941	14	15	2 2	6	-	-	-	-	-	-	-	-	-	-	1	2	1
St. Anne Soho HHHHHHHH - NR. NORTH DISTRICTS.	16608	8	12	-						-		-	-			1	1	
All Souls Marylebone HHHHH . W.M.	26759 14891	11 6	19 10	1 -	5	-	-	-	-		-	-	-	-	1	2 2	8	
Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christeburch Marylebone HH - W.M.	24809 21118	20 26	9	1 2	4	-	-	-	-	ī	-	-	-	-	=	=	3 -	
Christchurch Marylebone HH - W.M. St. John Marylebone H - W.M.	33700 53688	15 24	21 17	4	10	-	-	-		2		-	-	1 -	ī	3	-	
Hampstead Www.HHHH N.R. & W.M.	45452	36 19	25 22	8	9	-	1	1	1	1	-	-	-	1	-	1	4	1
Regent's Park Paneras H - W.M. Tottenham-court wHHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R. Somers Town H - N.R.	89115 27729 80247	10	25 28	6 2	5 7		=	-	2	=	=	-	=	=	1 2	3 4	:9	ı
Somers Town H N.R. Camden Town WH N.R.	84369 17811	28 11	23	7	18	-	2 -	-	-	-	=	-	=	-	1	3 3	3 21	l
Kentish Town W N.R. Upper Holloway WWwH N.R.	87487 67946	58 59	84 63	8 5	18	Ť	-	-	3	2	-	-		-	=	1	3 25	ı
Islington South-east N.R. Islington South-east N.R.	100976	65	67 38	7 6	18	-	1	-	=	3	-	1	ī	-	1	3 3	-	l
Highbury H N.R.	52048 22781	31	25 12	3 2	9	-	1	-	-	1	-	-	-	-	1	1	1	
Stoke Newington H N.R. Stamford Hill E.L. West Hackney H N.R.	9277 87610	5 27	20	3 7	7	-	-	-	: -	-	=	-	-	-	=	2	1 7	ł
Hackney WwwwH E.L.&N.R. South Hackney E.L.	76911 39883	65 40	55 20	7 3	17	=	ī	2	3	3	=	-	-	-	2	3	13	ı
CENTRAL DISTRICTS.		70	70		5													1
St. George Bloomsbury N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864 13837	10 12 4	19 8	5	2 2	=	=	-	-	=	-	-	100	=	1	4	10	
We Martin-the-Fields HH N.R &C	17508	3	9	1	1	-	-	-	-	-	-	-	-	-	1.	7	-	
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	2 -	11 3	1	2 3	=	=	=	1 =	-	-	1	-	-	ī	2	7	
St. Geothe-Martyr HHHHHHH N.R.	18671	13	16	2	7	-	-	-	-	-	-	-	-	-	-	1:	8	
St. Andrew Eastern W N.R. Saffron Hill H N.R. St. James Clerkenwell N.R.	10706 6588	1 11	6	2 - 2	ī	-	-	1 -	~	-	-	-	-	-	-	1	-	
Amwell Clerkenwell N.R.	19281	9	15	2 3	3	=	-	-	-		-	-	-	-	1	1 2	=	
Goswell-street N.R.	1 11541	9 7	14	2	7 2	=	1	-	=	=	=	-	=	=	-	1	-	1
City-road HHL N.R. Whiteeross-street N.R.	18628 9217	16 10	12	3	2	=	1 1	-	=	-	=	=	-	-	1	- 2	-	
Finabury Holborn Union Workhouse, Mitcham; w.	7468	1 -	3	1 -	1	=	1 -	1-	-	=	13	-	=	=	-	1	ī	
S1. Botolph H N.R. & E. L. Cripplegate N.R.	7192	8 4	2 2	ī	1	-	-	-	-	-	-	-	-	-	=	-	-	
St. Sepulchre H N.R. St. Bride W N.R.	5858 8396	1 3	3 1	2	1 2 2	1	-	1.5	2	1 =	=	1	=	=	5	6	25	
Allhallows Barking N.R. Broad Street H N.R.	13666	2	6 3	-	3	-	-	-	-	-	-	=	-,	=	=	=	=	
									-								1	-000

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse Establishment receiving inmates from other Districts than that in which is see note at the toot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—4.J. signify from Junction Company; W.M. West Middlesex; C. Chelses; S. Southwark and Vaurhall; L. Lambeth; N. R. New River; E. L., East Lond and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHOEA, VIOLENCE, &c., registered in each Sub-district

urday, 11th January, 1890.		- 11				_			_					_		_		
					TV bank		The	DEA	THS P	egiste 	red in	the	Weel	incl	ude		,	
	Enume-			Dest		-			I	Deaths	from			_			16	888
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever	Simple con-	Diarrnæa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS. -lywell Shoreditch $-L$, $N.R. & E.L.$ Leonard Shoreditch HL^{ϕ} , $-N.R.$ xton New Town w - $-N.R.$ xton 10ld Town - $-N.R.$ xggerston WH - $-N.R.$ & R.	7376 14967 29937 28036 46275	6 13 17 30 43	4 18 28 20 45	3 4 4 4	1 6 1 11	11111	2 - 1 1	11111	1 -	- - 1 6	1111	11111	11111	-	1	3 5 - 2	26 - 8	1 1
thnal Green North H - E.L. thnal Green East WHL^* - E.L.	51157 34399 41405	42 36 33	40 31 46	7 6 2	11 6 11	-	2	1 -	ī	3.		1 -	-	1	1 1	4 2 1	20	-
italfields E.L. & N.R. ile End New Town # E.L. hitechapel Church # E.L. & N.R. odman's Fields E.L. dgate R.L. N.R. & E.L.	22585 15478 17490 9713 6102	15 15 9 4 4	21 34 34 3 8	4 3 4 1 3	5 10 2 -		1			1 2 - 1	11111	i	-	1111	1 2 -	5 1 8 1	18 21 -	1111
George's, North E.L. John, St. George East W - E.L. adwell H E.L. & N.R.	38747 8410 10895	30 3 4	21 27 13	4 - 2	3 11 5	-	-	-	-	1		1 1	-	-	-	2 -	21 3	-
mehouse E.L.	16107 82041 87960	11 23 87	10 21 25	2 6	6 5	-	-	-	1	1 1	-	1	1 1 1	-	1	4	-	
ile End Old Town East WwwH- E.L. ow L* romley wwwH E.L. oplar WWH E.L.	87653 87074 64359 85077	51 25 57 43	61 26 50 88	7 2 4 8	23 5 12 12		1	1	1	2 2	-	1 11 1		1 - 1	2 1 -	3 4 5 6	14 3 20 6	1 1 1
SOUTH DISTRICTS. hristchurch Southwark WH Saviour Southwark - S. ent-road S. & L. orough-road WH - S. & L. ent-road WH - L. & S. ent-road WH - S. & L. E. Peter Walworth W - S. Mary Newington - L. & S. t. Olave WH S.	21318 26672 59555 21623	7 9 19 16 16 14 50 14	7 9 18 11 13 12 85 11	2 1 4 1 1 1 7 1 8 2	3534455284	111111111	11111111		1	2 - 1	1171111111	1111111		11111111111	111	1 3 1 1 2 7 1	2 - 1 8 - 4 - 13	1 1 -
t. Olave WH S. & L. L. Mary Magdalen W - S. James Bermondaey - S. other hither WH S. & K. V. Attaylogy and M. L. L. & S. & K. V. Attaylogy and M. L. & S. & K. V. Attaylogy and M. L. & S. & K. V. L. & S. & K. L. & S. & K. V. L. & S. & K. & K. L. & S. & K. & K. & K. & K. & K. & K. & K		16 42 39	8 30 38 12	4 8 2	3 10 11 6			1111		1 1 1		1111			2	1 2	5 6	1 3
Vaterloo-road 1st # - L. & 8. Vaterloo-road 2nd # - L. & 8. L. & 8. L. & 8. Ambeth Church 1st # - L. & 8. Ambeth Church 2nd ## - L. & 8. Ennington 1st 8. & L. ennington 2nd 8. & L. eintiton ## L. & 8. forwood ## L. & 8.	16351 19876 39859 45282 35882 62837 19017	19 15 47 29 18 40 11	12 21 40 25 15 28 9	3 1 7 4 2 8 2	5 2 10 9 6 7 2	111111	1	2	1	3 1 1 4 2	1111111		111111	111111	3 2	5 1 1 -	11 18 - - 2	1
ast Battersea	54675 52587 86380 28004 13235 25553	60 43 18 31 14 26	38 50 21 20 2 21	9 9 7 3 1 4	8 6 7 10 -	11111	1	11111	1	7 5 2 - 1		1	11111	1 -	1 - 1	1 - 1	10 2	1
Dulwich L. & S amberwell WwL^*L^* - S. & L. & S ex L. & George Camberwell - L. & S.	5590 59104 71089 50810	64 64 41	55 60 31	6 16 6	1 18 11 7	1		1111	1 -	1 8 1		1 1		1 1 -	1	1 1 -	26 3	1
t. Paul Deptford www K. t. Nicholas Deptford K. treenwich West H K. treenwich East WHH K.	76752 7901 21972 24608	77 4 16 26	48 4 18 31	8 1 2 3	12 - 6 9	-	-	1	2-	2		1			1	1	13	-
Citham H K , let H K , with H K , let H be H K .	5048 21559 19865 26076	8 6 13 23	3 3 16 11	1	- 2 5 4		-			1111		-	-		1111	-	2	
harlton H/I K . Woolwich Dockyard K . Woolwich Arsenal HH K . Plumstead, West H K . Plumstead, East W K .	10930 17617 1904S	5 15 13 13 29	13 6 17	3 4		-	_	-	-				-			2	-	=
Metropolitan Asylum Hospitals: Dartford w Winchmore Hill w		=			-	-	-	-		-	-	-			=	-	-	. -

The following Workhouse Establishments receive immates from other Districts than the one in which they stand, and are indicated in the District Marylebone Indirmary in Kensington Town sub-district.

Marylebone Indirmary in Kensington Town sub-district.

Holloway in Kensington Town sub-district.

Holloway in Kensington Town sub-district.

Holloway sub-district.

Metropolitan Asylum District Hospitals in Fulland. Hampstead, Hackney, St. Sub-districts outside Registration London.

Private Lunatic Asylums in which paupers are received.

TABLE 6.-LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the Week ending Saturday, 11th January, 1890.

				W CCE	endi	ng De	- Company	·y, - ·	cit o c		J, 10	-		_				
Regis-		Area	0	-		-			The Di	EHTAS	registe	ered In	the W	Veek i	nelude		,	
tration		Acres,	Enume-			Deat	ths of				Deaths							88
District and	REGISTRATION	ding	Popu-	cHs.	DEATHS.	9r 1	i 60			2		Whooping-cough.				- 1	Deaths in Public institutions.	Causes
Sub- district	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS	DEA	under of Age.	aged & upw	ox.		Scarlet Fever.	ria.	0-80		Sfe.	,	Inquest Cases.	in P	Uncertified of Death.
Num-		and Fore-	1881.			Infants Year	Persons Years	Small-pox.	Measles.	rlet	Diphtheria.	oopi	Fever.	Diarrhoss.	Violence,	uest	athe	eerti F Dec
bers.		shore.				Infa	Per	Sm	Me	Sog	Dip	Wh	Fe	Dia	Vic	Inq	Der	Un
LON	DON-OUTER RING	370,924	950,957	822	603	115	184	-	6	6	5	22	2	. 1	10	22	67	10
1,03	002.00							-		-				_			-	
. 80:1	Carshalton wL - Epsom (part of)* WwR	12228 9971	21118 10710	10 2	6		3	-	-	9	-	-	-		1	1	3 5	-
37:1	Godstone (part of) * -:	2754	1235	_	_	-	-	-		_	-	- 1	-		1-1	-	-	-
38:1	Croydon WwEIII -	20851	101241	54	38	11	11	-	-	3	₩.	4	-,	-		2	5	1
2	Mitcham w +	11697	17932	15	5	1	3		-	-	-	-				1	_	1
89:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	20 21	10 29	7	3		-	-	-		-			1	6	4
3	Esher (part of) * -	6601	9221	11	2	1		-	-	-		-			1	1	-	-
40:1	Hampton H Richmond WH	4578 2272	13539 21302	9	9	2	10		_							1	2	_
2	Richmond WH Mortlake	2941	12331	6	10	2	-	-	-	-	-	2	1	1-1	-	-	-	-
41:1	Bromley (pt. of) * HH	15669	31142	21	10	3	4		-	-	1	1	-	-	-		1 2	-
2	Chishrst(pt.of)* WHH	14307 18437	15844	12	12	5	5 3	_			_	_					-	2
42:1	Bexley H U Dartford (Ww , pts. of)*	1010/	24184	20	7 2	1	1				-	-	-		-	-	2	-
124: 1	Sunbury w	11055	11685	10	4	1	2	-	-			-	-	-	-	-	-	-
2	Staines W	13277	12089	5	9	1	4		-	-					1	2	3	-
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802	8	3	1	3	-	1		-	-	-	-	-	-	-	-
8	Hayes wHL	14587	11523	4	15	2	3	-	-	-	-	-	-	-	-		9	-
126: 1	Isleworth WHH - Twickenham H	7008 2477	22727 12479	21	9	2	5	_	-	-	-	1	-		1	1	3	-
8	Brentford HL	4345	27649	23	16	4	4	- 1	1	-	-	1	-	-		-	-	-
4 8	Chiswick	1340 6083	15975 22876	12 14	12	2 3	2 3	_			-	1	_	_	1	2	-	-
127:1	Harrow H	13809	12798	9	7	1	3	-		-	-	-	-	-	-	-	1	-
2	Edgware H	6994	3749	2	2	1	-	-	-	-		1	-	-	-	2	-	2
8	Willesden Hendon W	4383 8382	27453 10484	31	21 8	8 -	1		7	-	-	-	-	-	1	-	-	-
137 : 1	Bushey	9331	6621	5	3	1	1	-	-	-	-	-	-		-	-		-
2	Watford (W, pt. of) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
128 : 1	South Mimms Barnet	15599 5433	6391 10092	4 2	2 4	1	1 2		-	_	-	1	-	_	-	-	_	
3	Finchley HL	4688	17615	21	16	1	6	-	-	-	-	-	-	-	1	1	8	-
185 3 1	Hatfield (part of) * -	3306	583	-	-	-	-	-	-	-	-	-	1	-	-	-		-
129:1	Hornsey H Tottenham H	3039 4642	37078 46456	33 71	22 £6	5	7 5		-	-	-	1	1	-	2	8	, 1	1
3	Edmonton Ww + -	7488	23463	24	13	2	7	-	-	-	-	-	-	-	-	-	4	-
4 5	Enfield WH Waltham Abbey	12653 11017	19104 5368	17 2	15	3	5	-	-	-	-	-	-	-	-	1 -	_	
6		8480	7785	7	7	-	2	-	-	-	-	2	-	-	-	-	-	
186:1		882	38806	29	17	1	8	-	-	-	-	1	-	-	-	-	-	
3		3268	90347 10706	95 15	88	3	15	-	1	1 -	1 -	2 2	-	-	-	1 -	1 -	1
4 8	Leyton WwL	4372	32430	40	35	6	13	-	2	-	-	1	-	1	-	-	8	1
187:1	Walthamstow H - Chigwell (part of) * H	6590 11761	28869 9669	13	6	2 3	5		-	1	3	1	-	-		_	-	
3	Epping (W, pt. of)* -	3266	10206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
189:1	Romford (part of) * W	1	3411	8	G	-	3	-	-	-	-	-	-	-	-	-	3	
3	Ilford Barking Town	8493 4127	7645 9203	7 11	5	2 2	1 1	1	-	-	-	-	1	-	-	-	-	-
		1			1				1						1			

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Onter Ring are as follow:

\$3:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); \$7:1, the parishes of Warlingham and Farley in Godstone sub-district; \$3:3. Esher sub-district, except the parish of Esher (pop. 1293); \$4:1. Bromley sub-district, except the parish of Esher (pop. 1293); \$4:1. Bromley sub-district, except the parish of Chelsheld (pop. 247); \$13:1, the parish of Northam and Handles sub-district; \$13:1, Chiswell sub-district, except the parish of Theydon Bois (pop. 875); \$13:1, the parish of Northam in Handles sub-district; \$15:1, Chiswell sub-district, except the parish of Theydon Bois (pop. 875); \$13:1, the parish of Dagonasm in Romford sub-district (25:2) leaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

Takedusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

\$ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

\$ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

¹ Oa let January the two parishes of East Ham and Little Hord were separated from the registration sub-district of West Ham, and were

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 11th January, 1890.

								_		74	-					-
			ANNUA	LRATE			The DE	ATHS	regis	tered	in t	he W	eek i	nelud	B .	
	Area	Estimated		D living.	DEATHS	Deat	hs of			. 1	Death	s from	n			Public nous.
GREATER	Acres, including	Population, middle of	per 100	o iiving.	from	Infants	Persons	X.			ia.	18-		B.		in Pu
LONDON.	tidal water	1890.	From	From Diseases	CAUSES.	under	aged 60 Years	Small-pox	sles	let ver	Diphtheria	ngh.	er.	Diarrhoa	Violence	
	and foreshore.		All Causes.	in Cols. 8-14.		Year of Age.	and upwards.	Sma	Measles	Scarlet Fever.	Dipl	Whooping-	Fever.	Dia	Viol	Death
	1			1	1 1	1			-		-	1 1		12. 1	7-	70
Cols.	1.	2.	3.	. 4.	5.	6.	7.	8.	9.	10.	11.	12.	15.	15.	15.	16
					2010	FAF	075		20	10	31	134	14	13	65	602
EATER LONDON	448,334	5,758 500	30.3	2.2	3350	545	955	-	30	19	01	104	14	. 10	03	002
INNER LONDON -	77,410	4,421,661	32.4	2.4	2747	430	771	-	24	13	26	112	12	12	55	535
OUTER RING .	370,924	1,336,839	23.5	1.6	603	115	184	-	6	6	5	22	2	. 1	10	67

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 16,935,747 Persons.

						DE	ATHS	FROM D	PRINC		ZYMOI	_
CITIES. ,	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
ALCUTTA	433,219 778,196 { 398,777 { 2,260,945 471,606 403,083 197,723 153,440 307,000 228,218 138,300 842,883 1,489,672 575,276 264,196 315,000 281,000 811,434 304,356 452,907 158,084 407,936 306,398	November 23 December 10 November 22 29 January 4 " 4 " 4 " 4 " 4 " 28 " 4 December 21 " 28 " 28 January 4 December 28 " 28 " 28 " 28 " 28 " 28 " 28 " 28 "	250 262 346 357 1223 287 - - 242 - 43 - 893 418 152 226 204 503 - 764 -	274 366 416 257 249 2683 351 170 - 68 582 906 289 129 177 158 717 150 287 95	33.0 20.9 23.8 33.5 32.4 61.7 38.7 - 28.0 - 25.6 36.0 32.4 26.2 25.4 20.2 28.8 45.9 25.7 32.9 31.3 22.4 28.7	3 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 6 5 - 1 1 1	A	7	83 111 135 766 777 1 1 - - 1 1 10 8 4 4 2 7 2 2 20 5 1	69† 27† 39 24 47† 60 23 3 - 4 47 46 12 2 9 12 24 3 23 2
Venice Cairo Alexandria -	154,369 374,838 231,396	" • 28 " 19	409	125 390 173	42*2 54*3 39*0	1 2	-	-	3* 5*	9-	17 9	129 47
NEW YORK - BEOOKLY# - PHILADELPHIA - BALTIMOE# - NEW ORLEANS -	1,571,300 834,607 1,040,245 500,343 254,000 {	" 21 " 21 " 21 November 2	-	665 333 366 162 110 114	22°1 20°6 18°4 16°0 22°6 23°4		3 3 1	10 3 5 -	23 26 10 8. 5 2	3 3 1 -	5 3 15 2	11 2 5 1 8 3

* Including deaths from croup. † Including 30 deaths from cholera in Calcutta, 1 in Bombay, and 1 in Madras. ‡ Including 13 deaths from malarial fever.

Table 9.—METEOROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Grrenner Royal, during the Week ending Saturday, January 11711, 1890. [Under the Superintendence of the Astronomer Royal.]

į.																						
	-	Ozono		6.0	5.8	13.0	83	9.2	3.5	0.0	5.9	27	a; no	r, are ussion r, and ading mum	duced	aphic	and	the The	show	to the	.58 in.	sed to
	Rain	in a Gauge whose	surface is 5 inches above the Ground.	in. 0.19	₹0.0	00.0	0.03	0.14	00.0	10.0	Sum 0.40	26	vel of the sea; no	a discu arometer mean res	are dec	photograph move 875.	higher, vo feet k	nas from	strong rument,	pplying	eek to 29 ed to 29 d	d decrea
			Departure from Average of 16 Years.	Miles.	+141	+111	+ 36	+142	+271	06 -	Sum +933	25	M. The	or the b	umidity by Glais	n of the horizon ending 1	th of tw	istructions Electr	lerate; s ine Inst	ood as a	of the wi	Ith; an
	S.	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	458	429	354	460	290	220	Sum 3159	24	el.	tions deducing 1873 fith the cell the read	gree of h	discussio d that of 16 years	nat + in	under in registerin	s m. moc	e underst	the 7th;	on the
ı	nometer	le le	an 24 rly s.	lbs.	1.5	6.0	0.9	1.1	6.1	0.0	:	23	ea leve	correct sorrect rs. W	nd de	om a 368, an or the	oina t sended	arket,	weak	e to be	t the b M. on M. on	1. A.M.
ı	m Anem	Pressure on the	Least, h	1bs. 1		0.0	0.0	0.0	0.0	0.0	:	22	159 ree 10e to 8	omere on of on thy yea nomete	ture a	ived friding 14	ne in r re susi	the Ma	we; w.	ons ar	62 in. 8 9h. P.1 9h. A	5 by 9
ı	nced fro	Pressu	Great.	lbs. 1		4.0	3.1	6.5	4.7	4.0	:	21	ter 18 to redu	plicati plicati therm corre	mpera	at der ears en tric re	be bor	k of tom Th	negati the Ca	servati	om 29 in. by	0.08 0
	Wind as deduced from Anemometers	Osler's.	P.M.	Wo w Wood		SSW.	SSW. & SW.	SSW. & SW.	W. & WSW.	SSW. & SW.	& SW.	50	the readings ken at 9h. A.M	une ary purp lues by the ar lade during the ng 1868 for the s combined the	s, iorming the dew point to of the dry al	the air is the uring the 20 year, the anemome	ater of the Th	by the Clei	positive; N.	eorological ob midnight.	eased to 30.21	y; increased 1
Jeno.]		General Direction.	A.M.	7110.0	۸.	SSW.	SSW.	SW. & SSW.	WSW.	SW. & SSW.	SSW.	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. Observations are usually taken at 91, A.M.; however, and 91, P.M.; The means of the	Peychadings of the parometer, the try outh outerinuneses, and two we're out offermonieses, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 18% for the barometer, and during the twenty years ending 18% for the discussion of the our-ected mean reading of the diversity but the corrected mean reading of the dray buth the corrected mean of the maximum of the dray buth the corrected mean reading of the dray buth the twenty were combined the corrected mean of the readings of the maximum	and minimum thermometers, forming the mean cany value or temperature of the air and minimum that mean daily deep point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-	metrical 1 actives. The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.	In reading the columns 9 and 25 it will be borne in mind that thickness "higher," and "loner," than the average. The thermometers in the water of the Thames are suspended at a depth of two (set below The thermometers in the water of the columns.	The SHIPSKI, at the end of one of the Johnson of any two stronger, among an around their their readings are registered by the Glerk of the Market, under instructions from Opporation of London. The record of Electricity is derived from Thomson's self-registering Electrometer,	symbols employed are: —F. positive; N. negative; w. weak; m. moderate; s. strong v. variable. The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument,	the aggregate duration of pright substitution on each usy. The results of all the meteorological observations are to be understood as applying to the civil say, or from midnight to midnight.	The reading of the barometer decreased from 29°62 in. at the beginning of the week to 20°58 in. By 10h. A.M. on the 6th ; increased to 50°21 in. by 9th. A.M. on the 5th; decreased to 29°93 in. by 6h. a.M. on the 8th; increased to 30°12 in. by 9th. A.M. on the 8th; decreased to 30°12 in. by 9th. A.M. on the 8th; decreased to 30°12 in. by 9th. A.M. on the 8th; decreased to 30°12 in. by 9th. A.M. on the 8th; decreased to 30°12 in. by 9th. A.M. on the 8th; decreased to 30°12 in.	the same day
on Troiting	ಚ	Of the Water of the Thumes at Deptford.	Low-est.	0 00	38.5	40.4	42.1	43.4	44.5	43.0	41.6	18	ght of has be	into into into into into into into into	mum 3). Th mean	rage t ade at from a	ing the	dings on of 1 cord o	emplo,	gare d sults o	ding o	M. on
TOTAL TOTAL	ATUR	Of the of the at Der	High-	39.4	2.68	42.1	44.2	9.77	45.6	45.4	0.87	17	he her rection bserve	readiny verted he pho ing th he dry	lumn n the	metrical Tables. The average to records made at of the air from a	n read ' <i>lower</i> 'he the	suria ir rea rporati	symbols en v. variable. The num	aggre The red il day	The res	9h. P.
100 1100	TEMPERATURE.		Lowest on the Grass.	0.98	43.3	9.7	37.5	30.3	2.98	34.5	37.2	16	1 CO T	1	frog Cool						by y	No
0000	H	Of Radiation.	High- est in Sun's Rays.	0 12	57.5	83.6	58.6	2.99	73.4	55.0	63.7	15		erwards		loud til ry mild	ll after loudless	udy til	vith occa- generally	nd after		
nananan		Degree of Hu- midity	ration equals 100).	. 76	95	8.4	95	06	70	94	GS GS	14	σå	ng; aft	ild.	light c	reast ti	ally elo erwards	fine with rereast gen	morning and after-		
Under the Buper menuence of the ma	ween	the Air Temperature and Dew Point Temperature.	Least.	0.0	0.0	1.1	0.0	0.0	0.8	0.0	2.0	12	GENERAL REMARKS	Il eveni	Occasional rain. Very mild	nts of fterwar	g; oven	; parti	morning; very fine witil afternoon; overcast	in mor		
cue va	nce bet	Tempel Dew Po 1peratu	Great-	0.8	63	10.0	8.8	5.0	12.5	o.⁴	0.9	12	L REI	rain ti	rain.	amou reast a	mornin ery till	d show	rning; afterno			
Omac	Differe	the Air and Ten	Mean daily value.	0 -	1.4	1.4	1. £	8	9.5	1.1	60	=	NERA	Wind	asional	small ally ove	early d show	ast an	rly mo	Occasional rain		
		Of the Dew Point.	Mean daily value.	0 18.8	9.02	46.0	46.0	9.17	9.98	43.1	44.3	10	GE	t with f		ne with; gener	rain in udy an	ss ln e	in ear			
	E.		De- from Average of	0 110.4		+13.1	8.6 +	4.9 +	0.8 +	6.9 +	6.6 +	6		Overcust with frequent rain till evening; afterwards partially cloudy. Windy. Mild.	Overcast.	Very fine with small amounts of light cloud till afternoon; generally overcast afterwards. Very mild.	Slight rain in early morning; overcast till after- noon; cloudy and showery till night; then cloudless. Mild.	Cloudless in early morning; partially cloudy till afternoon; overcast and showery afterwards. Solar halo at 11h, A.M.	Cloudy in early sional light clouds afterwards.	Overcast.		
ı	RATURE.	ir.	Mean daily value.	0.87	52.0	2.09	6.14	₽.₩	8.27	8.7.8	9.44	00	abovt izon, ours.	6.4	0.8	0.8	0.8	8.1	8.1	F. 8	Sum 56.2	00
	TEMPERAT	Of the Air.	Daily Range.	0 0		7.2	6.2	15.6	10.1	11.6	9.4	1	ed Sun e, Hor		00			-	<u></u>		02	
	27	3	Low-	0.87	49.5	47.5	43.8	2.98	42.3	38.9	45.0	1 9	Registered Sun above Sunshine, Horizon, in hours.	0.0	0.0	4.9	0.0	8.0	₹. ₽	0.0	Sum 10.1	00
			High-	0 12	54.4	25.0	50.3	52.3	52.9	20.2	52.4	15		M.;	•	e : Su	ter-	00B;	ing;	•	-	
	BARO-	Mean daily reading	rected and reduced to 32° Fahren-heit).	in.		30.181	30.041	29.970	29.889	29.990	29.970	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. till 7h. A.M.; w. N. till noon; w. P. afterwards.	w. P. throughout	w. P. in morning; m. P. afterwards.	w. P. in morning; v. P. and v. N. atterwards.	s. P. till afternoon; w. P. afterwards.	w. P. in morning; P. afterwards.	m. P. generally		0.6
			Moon.	reatest	Pec. N.	Apogee.	:	:	:	:	:	6:	ELE (For ex	w. P.	w. P. t	w. P. n. r. aft.	w. P. v. P. wards.	s. P. aft	s. P. afte	m. P.		
			ē	1			00	6	10	11		1.	T	20	9	F .	00	6	10	11		1
		1890.	Монти анд Дах.	JANUARY.	Mon.	TUES.	WED.	THURS	FRI	SAT.	MEANS	No. of Col.	DATE. JANUARY.	SUNDAY	Monday .	TUESDAY .	FEDNESDAY	THURSDAY .	FRIDAY .	SATUBDAY.		10 0 0 m

OFFICIAL COPY.

WEEKLY RETURN A CONTROL OF STATE OF

BIRTHS AND DEATHS LONDON

AND IN

OTHER GREAT TWENTY-SEVEN

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 3. 1890. Vol. LI.

WEEK ENDING SATURDAY, JANUARY 18.

Price $1\frac{1}{2}d$.

General Register Office, Somerset House, 20th January, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 27.0 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending		the production of the same	1.	Weeks	ending	
Towns.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Towns.	Dec. 28.	Jan. 4.	Jan.	Jan. 18.
Birkenhead	20.4	16.4	17.4	17.9	Liverpool			24.7	
Birmingham	20.4	23.5	24.5	27.4	London	20.3	28.0	32.4	32.1
Blackburn -				24.9	Manchester -	26.6	32.8	33.8	28.4
Bolton -	21.8	31:1	21.2	24.8	Newcastle-on-Tyne*			28.5	
Bradford* -	19.3	25.4	24.1	20.2	Norwich			19.7	
Brighton -	20.1	18.1	18.1	15.6	Nottingham -	16.9		19.4	
Bristol	21.4	26.3	23.8	25.8	Oldham	22.7	19.9	24.2	14.9
Cardiff* -	19.0	24.1	23.2	18.3	Plymouth	_		30.4	
Derby -	16.9	22.2	27.4	17.6	Portsmouth -	25'1	28.5	20.4	22.6
Halifax -	23.2	22.2	19.1	21.0	Preston			23.8	
Huddersfield	18.5	16.6	23.8	18.8	Salford*			19.8	
Hull				21.5	Sheffield	21.5	24.4	26.6	23.5
Leeds -	25.8	27:1	29:0	26.1	Sunderland -			26.4	
Leicester* -	19.4	14.5	21.3	17.2	Wolverhampton -	25.3	28.1	19.4	21.9

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1.1 in Bradford and in Norwich, and 1.4 in Birmingham; from scarlet fever, 1.4 in Manchester; and from whooping-cough, 1.0 in Derby, 1.2 in London, 1.3 in Wolverhampton, 1.4 in Bolton, 1.8 in Portsmouth, and 3.1 in Bristol. The death-rate from "fever" did not reach 1.0 per 1000 in any of the twentyeight towns. The 40 deaths from diphtheria in these towns included 22 in London, 3 in Liverpool, 3 in Manchester, 2 in Norwich, 2 in Leeds, and 2 in Sheffield. No death from small-pox was registered in any of the twenty-eight great towns.

LONDON.

Allowing for In London 2714 births and 2720 deaths were registered. increase of population, the births were 191 below, whereas the deaths exceeded by 765, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 28.0 and 32.4 in the two preceding weeks, was last week 32.1, and again exceeded the rate in any week since February 1882, when the rate in the sixth week of the year rose to 36.7. During the first three weeks of the current quarter the death-rate averaged 30.8 per 1000, and was 7.8 above the mean rate in the corresponding periods of the ten years 1880–89.

The 2720 deaths included 24 from measles, 22 from scarlet fever, 22 from diphtheria, 104 from whooping-cough, 14 from enteric fever, 1 from an ill-defined form of continued fever, 6 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 193 deaths were referred to these diseases,

being 41 below the corrected average weekly number.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; but nine years after the last enumeration such an hypothesis is obviously somewhat untrustworthy.

No death from small-pox was registered, the corrected average being 13; Only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and 2 in the Highgate Small-pox Hospital. cases of measles, which had been 36 and 24 in the two preceding weeks, were again 24 last week, and were 30 below the corrected average; 3 belonged to Pancras, and 4 to Hackney sanitary areas. The 22 deaths from scarlet fever showed an increase upon the low numbers in recent weeks, but were 15 below the corrected average; 2 belonged to Kensington, 2 to Fulham, 3 to Chelsea, and 2 to Bermondsey sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1394 scarlet fever patients at the end of last week, against 1609, 1570, and 1497 on the three preceding Saturdays; 77 cases were admitted to these hospitals during the week, against 122 and 71 in the two preceding weeks. The deaths from diphtheria, which had been 32 and 26 in the two previous weeks, further declined last week to 22, but were 3 above the corrected average; 2 (at 9, Rickett Street,) belonged to Fulham, 2 to Pancras, 3 to Islington, and 5 to Poplar, sanitary areas. The 104 fatal cases of whooping-cough showed a decline of 8 from the high number in the previous week, but exceeded the corrected average by 24; 4 belonged to Westminster, 5 to Marylebone, 9 to Pancras, 9 to Bethnal Green, 5 to Mile End Old Town, 9 to Poplar, 7 to St. George, Southwark, 4 to Newington, 8 to Lambeth, 4 to Wandsworth, 6 to Camberwell, and 5 to Greenwich sanitary areas. The deaths attributed to diarrhaa and dysentery declined last week to 6, and were 8 below the corrected average.

The deaths referred to enteric fever, which had been 13, 12, and 11 in the three preceding weeks, rose again last week to 14, but were 2 below the corrected average; 2 belonged to Pancras, and 2 to Mile End Old Town sanitary areas. The death of a child, aged 4 years, in Kentish Town, was indefinitely referred to "continued fever." The death of a female, aged 46 years, in Gloucester Road, Camberwell, was attributed to "febris cerebro-spinalis, 7 days, anasarca, 2 days." The Metropolitan Asylum Hospitals contained 93 cases of enteric fever and 3 of typhus on Saturday last; 8 cases of enteric fever were admitted during the week,

against 11 and 7 in the two preceding weeks.

The deaths primarily attributed to *influenza*, which had been 4 and 67 in the two preceding weeks, further rose last week to 127; of these, 8 belonged to Paddington, 9 to Pancras, 12 to Islington, 8 to Bethnal Green, 13 to Lambeth, 6 to Battersea, 6 to Wandsworth, and 7 to Camberwell sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 467, 843, and 1069 in the three preceding weeks, declined last week to 1010, but

exceeded the corrected average by 464.

Different forms of violence caused 65 deaths, concerning all but 1 of which inquests were held. Of these 65 deaths, 11 were cases of suicide and 3 of murder or manslaughter, while the remaining 51 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 11 by burns or scalds, 2 by poison, 4 by drowning, and 14 (including 13 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3654 births and 3330 deaths were registered, corresponding to annual rates of 33·1 and 30·2 per 1000 of the estimated population. In the Outer Ring 22 fatal cases of whooping-cough, 15 of measles, 3 of scarlet fever, and 3 of diphtheria, were registered. Three deaths from measles were returned in Staines, in East Ham, and in Walthamstow sub-districts. The 22 fatal cases of whooping-cough included 7 in Croydon, 5 in West Ham, and 3 in Tottenham sub-districts. Two of the 3 deaths from scarlet fever occurred in Croydon sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.90 ins.; the highest reading was 30.15 ins. on Sunday evening, and the lowest 29.34 ins. at the end of the week. The mean temperature of the air was 45.5, and 7.0 above the average in the corresponding weeks of the 20 years ending 1868. The mean considerably exceeded the average on each day of the week. The general direction of the wind was S.W., and the horizontal movement of the air averaged 15.9 miles per hour, which was 2.4 miles above the average in the corresponding weeks of 16 years. Rain fell on Saturday to the amount of 0.13 of an inch. The duration of registered bright sunshine in the week was 7.3 hours, against 12.2 hours at Glynde Place, Lewes.

· See note on first page of this Return.

					_					_		_	_		_					-		=	_				_	-
	CITIES AND BOROUGHS,	Cols.	- 28 TOWNS.	LONDON. BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL. WOLVERHAMPTON.	BIRMINGHAM	LRICESTER.	Nothingham.	BIRKENHEAD.	LIVERPOOL.	Rollow.	MANCHESTER.	OLDHAM.	BLACKBURK.	PRESTON.	HALIFAX.	BRADFORD.	LEEDS.	SHEPPIELD.	SUNDERLAND.	NEWCASTLE.	CARDIER.	The second of the	GLASGOW.	DUBLIE.	
PAEE.	In Centi-	24.	0.71	0.83	1	1.20	1.07	1	t	0.53	1 1	66.0	1		1		1 1	1	0.46	2	1 0	2 1	0.23	1	40.4	10.7	1.30	ı
RAINFALL	.sədonI nl	23.	0.58	0.13	1	0.23	0.37	•	1	60.0	1 1	0.39	1	1 1	•		1 1		0.18	1	1 000	# O I	0.51	1	9,00	0.83	0.21	
AIR.	entigrade.	22.	2.20	7.56	1	111.6	7.83		1	2.00	1 1	90.8	ŧ			1	1 1		19.4	ı	1 1	2/ 0	7.50	ı		96.8	8.52	
TEMPERATURE OF THE AIR.	Most of the state	1	9.9	45.5	1	48.4	46.1		1	9.75	1 1	46.2	1	1 1	1	1	1 :	1	46.8	1	1 3	1.55	45.8			0.07	46.8	
ATURE	E LOWest.	20.	32.0	33.9	1	- 2.04	35.0	1. 1	1	82.7	1 1	88.3	1	1	1	1	1	1 3	38.1	1		0.88	0.88	1		90.0		=
EMPER	Fahrenheit Lowest.	19.	2.0.29	52.9 S		53.0 4	53.5		1	2.29	1 1	3 0.49	1	1		,	£ .	1 1	53.0 3	1		51.0 s				7.86		-
		-	2.0 2	2.3		7.0	1.9	2.1	8.0	0.5	1.0		2.2	0.8	0.1	1.2	1.0	0.0	1.7	0.7	_	0.1			3 5	6.6 9.9		-
Annual Rate per 1006, corresponding to the	Causes.	17.	0.22	32.1	22.6	2.12	21.9	27.4	17.2	14.9				4.83 50.03			20.00		2.02			9.17		1 00			0.87	
	Uncertified Sauso	-	91 2	2 3	1	1 1	1 1	4	1	1	1 1	15	1 20	10 F		61	1 27 -	1 101	-	_		70 0	-	1 63	1-		23 24 23 24 24 24 24 24 24 24 24 24 24 24 24 24	-
-	Deaths in Public Public Institutions.	16.	996	626	O 1	9 11	22 4	52	00	00 x	9 -	50	41	14.	9	14	00 0	त्र ६३	10	13	14	12	- 0	0 41		-	104	-
-	Inquest Cases.		333	171	100	23 63	4 01	28	00	es 0	27 -	20	1	20.	0 1	93	က	n 1	10	21	00	41 7	9 0	o oo	-	2. 0	. 10	
apn	Vlolence.	13.	158	5 s	က	9 1	4 61	10	-	7	1 -	19	ı	11	20 1	7	00	3 1	60	20	9	₹ 1 (53 C	3 63	-	63 0	12 8	
Week include	-amdrraid	12.	26	9 1	1,	1 1	1 1	-	1 1	ı	l r		1	10 0	n 1	-	1	1 1	67	61	1		-	-		67 6	27 67	
he We	Feret.	ii	37	1 12	1	1 1	00 I	-	-	1 1		4 69	-	000	1 1	H	H	1 1	-	-	1	-	-	1 1		-	1 %	,
ed in t	Whooping-	10.	157	104	ю	1 1	14 8	4	1	1	63	00	က		4 -	1	1 1	- 1	1	တ	1	63	1	1 -		2	16	,
registered in	Diphtheria.	8	40	22	H (54 1	- 1	-	4 1	1	-	1 00	1	တ	- 1	ł	н	1 4	å	67	63	1	1	(1		4	1 6	
THB re	Scarlet. Fever.	80	19	22 -	-	1 1	eo -	1	1	1	1	1 10	63	10	N -	63	1	1 1	1	70	г	1	1 (21 14		63 (- 1	
The DEATES registered in the Deaths from	Messles.	7.	99	24		23 14	1 1		1	-	1	1 01	1	i -1	H 1	H	i	1 1	ac		H	1	1	1 1		17	14 0	3
T.	Small-pox.	6.		1 1	1	1 1	1 0		4 I	1	1	1 1	1	1	1	1	1	1 1		1	1	1	1	1 1		1	1 8	
1 00		0.	1245	14	21	15	. 23 0	2	18	24	11	55 5	20	32	21	. 6	17	9 6	9.4	49	24	21	15			44	47	3
Dastha		4	866	416	12	∞ √	26	2 2	10	12	6	72	10	34	23	19	15	Lo M) AL	80 00	29	16	12	202		24	20 %	200
uring		i,	5039	2720	62	82	115 8K	070	240	20	34	296	55	202	60	269	22	28.	80	182	150	88	82 2	8 4		178	277	225
Registered during	18th Jan., 1850.	33	1609	2714	98	60	133	3 8	997	122	69	373	82	281	175	06	91	34	196	236	217	146		102	-	145	101	101
		- -		_							_				0 .		~	e 4	H 30		_		:0	- 61	-	10	~ *	-
MOTE A THUO	estimated to the middle of the Year 1890.	1-1	9,715,559	4,421,661	123,659	95,352	232,248	83,406	461,865	244,909	100,871	105,049	115,816	879,487	242,509	123,558	1(5,163	94,253	940 515	363,799	332,637	213,833	186,506	117,012	ı	271,135	883,208	- monton
- 4	20 =-	- 8	•	•					8 (•			•	•		٠						•		-			-
	CITIES AND BORUTGHS.	Cols.	28 TOWNS	гомпом -	BRIGHTON .	NORWICH .	PLYMOUTH . BRISTOL .	WOLVERHAMPION	BIRMINGHAM	LEICEBTER TO NOTINGEAM	DERBY	BIRKENHEAD	BOLTON -	MANCHESTER	SALFORD.	BLACKBURN .	PRESTON -	HUDDERSFIELD	Realizan .	LEEDS	SHEFFIELD .	HOLE .	SUNDERLAND	CARDIER*		EDINBURGH -	GEASGOW .	

TABLE 2. LONDON .- Births and Deaths Registered in the THIRD Week of each of the Eleven Years, 1880-90.

Total Births Males Females .	2644 1340 1304	1881 2192 1127 1065	1882 2629 1332 1297	1883 2804 1416 1388	1884 2718 1364 1354	1885 2803 1347 1456	1886 2667 1391 1276	1887 2655 1385 1270	1888 2688 1304 1384	2837 1430 1407	Corrected Weekly Average in 10 Years 1880-89.*! 2904.7 1465.2 1439.5	2714 1409 1305
TOTAL Deaths Males Females	1900	2016	1700	1663	1578	1807	1738	1757	2000	1769	1955·0	2720
	981	1032	856	869	777	847	874	862	1021	899	977·9	1420
	969	984	844	794	801	960	864	895	979	870	977·1	1300

^{*} The numbers in this column are the average weekly numbers in the third weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS

TABLE	B 3. LONDON.—E	TRUHS	, DE	THS,	and 1	METR	OROLO	GY II	i the	17881	LHIR	PEEN	WEEL	1.5.
		Oct. 26.	Nov.	Nov. 9.	Nov. 16.	Nov. 23.	Nov. 30.	Dec.	Dec. 14.	Deç. 21.	Dec. 28.	Jan.	Jan, 11.	Jan. 18.
Total.	Births	2580	2623	2658	2522	2517	2321	2270	2535	2513	1815	2961	2818	2714
TOTAL	Deaths	1310	1317	1350	1451	1375	1448	1683	1768	1816	1690	2371	2747	2720
Ages at Death	0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & u ₁ wards	562 163 250 283 . 52	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77	660 176 259 222 55	647 184 266 292 59	713 196 294 392 88	719 227 312 418 92	723 216 348 424 105	651 220 332 396 91	834 846 541 552 98	939 367 670 640 131	909 450 666 576 119
**	Under 1 year	276 200 86	323 212 64	\$10 209 87	343 235 89	335 233 93	333 227 87	353 265 95	375 247 97	364 261 98	326 232 93	398 310 126	430 375 134	415 344 150
Deaths fi	rom Small-pox , Measles , Scarlet fever , Diphtheria , Whooping-cough Typhus , Enteric fever , SimpleConta fever , Diarrhœa and Dysentery , Cholera , all the above- mentioned Diseases , Dis. of Respira- tory System , Phthisis , Dis. of Circula- tory System	17 27 37 22 1 21 1 15 - 141 281 141 115	22 20 31 21 19 - 17 - 130 300 125 104	1 20 23 23 24 - 11 - 17 1 120 318 141 122	33 24 38 37 1 20 - 16 - 169 321 154 121	33 17 30 31 - 22 2 17 - 152 328 169 113	18 19 33 44 15 1 12 - 142 345 183 126	41 24 47 47 - 8 2 12 - 181 432 161 165	30 12 35 49 15 - 14 - 155 552 182 163	35 22 27 60 1 12 - 13 - 170 518 161 189	29 14 26 67 2 13 - 19 - 170 467 180 158	36 15 32 98 - 12 10 - 208 843 247 222	24 13 26 112 - 11 1 12 - 199 1069 267 275	24 22 22 104 - 14 1 6 - 193 1010 312 209
	Deaths Cases	49 101 319	59 123 309	51 97 313	65 122 363	57 114 314	53 113 336	56 128 358	55 124 422	69 156 419	47 121 400	91 195 495	55 192 534	65 171 626
Mean Mean	of Highest readings - of Lowest readings -	46.7 53.7 11.5	47·3 54·0 41·4	47·3 53·3 40·8	46·8 52·7 41·0	44·9 48·2 41·3	37.6 43.4 32.0	32·1 35·8 27·8	38·1 42·5 31·9	43.5 47.3 38.1	89·8 44·0 35·2	32·8 36·7 28·5	47·6 52·4 43·0	45·5 50·6 89·4
Rain-fall	y of the Air l in inches ed Sunshine (in hours)	94 1·07 8·1	88 0·78 23·1	90 0·26 3·9	93 0·01 11·9	94 0·13 0·0	84 0·32 5·9	85 0·23 8·4	92 0·23 4·4	94 0·33 2·1	90 0·61 3·2	97 0·11 5·0	89 0·40 10·1	86 0·18 7·3
			1											

METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and R. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.B.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

LONDON.-DEATHS Registered at several groups of Ages from different Causes in the

· mental continuous de como e el del magneti. Propieto					T	HIR	D V	Vee	k 0:	f the Year 1890.									
•	years	. 8	In	the	Week Sth	end Janu	ling ary l	.890.			or the years	8	aturd	n the	Wei 18th	ek er Janu	ding	890.	
	for 10 ye			aths			-		-					aths	of P	erson			
	the 3.				18 Ag	es		1	_		the	-		t	ne A		- 1	اه	-
CAUSES OF DEATH.	0 of 380-8			nder 20.		or 40	er 60	ar 80.	8nu	CAUSES OF DEATH:	Aver ks of 1880-		U	nder 20.		ler 40.	er 60,	6r 80.	and .
	ed /	AGES.		1		under	under	under	Years		Veek	AGES.	-1			under	under	under	unwarda.
,	Corrected Averages 3rd Weeks of the 1880-89.	ÅLL A	0-1.	-0.	-20.	and	and	an	upw		Corrected 3rd Week	ALL A	0-1.	1-6.	5-20.	20 and	40 and	60 and	Mun X
	0 8		0	71	9.	2	7 1	18	- QC		200	4 -	2	- 1	0	4	41	201	~~
ALL CAUSES - ; -	1955.0	2720	415	344	150	450	666	576	119	Diseases of Organs of Special Sense † }	2.3	2	-	-	1	-	-	1	-
Small- Vaccinated; -	}12.6			-	-	-		_	-	Diseases of Circulatory \	146.7	209	2	_	9	36	78	73	11
pox No Statement	1-1			-	-	-	-	-	-	System5				-	-	_	-	_	-
Measles	54·3 36·5	24	1	21	5	2		-	-	Croup	17·8 355·7	13 630	3 71	6 76	4	48	172	219	42
Scarlet Fever	0.3			-	-	-	-	-	-	Bronchitis Pneumonia	116.8	281	71 34	76 44 1	7 12 1	66	89	82	4
Relapsing Fever †	0.0			-	-	-	-	-		Pleurisy - Other Diseases of Respi-	48.5	80	10	8	3	12	21	26	-
Influenza	80.0	127	7 34	63	7	31	48	26	1	ratory System S				_		-	_		-1
Whooping-cough	18.9	22	1	15	5		1	-	-	Dentition †	14.6	23 5	12	11 3	-	-	2	-	-
Diphtheria Simple Continued and	1.4	1		1	-	-	-	_	-	Quinsy, Sore Throat † - Enteritis	2·1 7·4 7·0	11 5	4	-	3 2	2	1 2	-	1
Ill-defined Fever -)	15.9	14	_	_	1	10	2	1	_	Peritonitis Diseases of Liver	29.4	35	2	-	2	3	21	7	-
Enteric Fever Cholera	0.2		-		-	-	-	-	-	Other Diseases of Digestive System -	83.8	22	2	2	1	4	2	11	
Diarrhea, Dysentery	18.6	6	2	1	1	-	=	2	-	Discourse of Tamakatian									
Remittent Fevert	0.2	ī	-		1			-		Diseases of Lymphatic System & of Ductless	2.2	1		-		1		-	-1
Hydrophobia Glanders	0.0	-	-	-	-	-	-	-	-	Glands †)							_		-
Cowpox and Effects of \ Vaccination † }	0.0	-	-	-	-	-	-	-	Ŀ	Diseases of Urinary	42.9	51		1	1	13	19	16	1
Venereal Affections -	13.6	9	7	-	-	1	1		H	System)		-			_				
Erysipelas	7°2 3°8	1 3	-		3	-	-	1		Diseases of Generative	5.9	7	-	_	-	4	1	2	-
Pyæmia and Septicæmia † Puerperal Fever	7.1	7	-		-	6	1		H	Accidents of Childbirth	2.3	2	-	-	-	2	-	-	-
Other Zymotic Diseases †	2.2	4	1	_	1	-	2	_		Discourse of Taxables N			7						
Thrush	2.2	1	1	-	-	-	_	_		Diseases of Locomotive System † }	7.6	11		1	4	3	8	_	
Worms and other Para-	0.5	-	-	-	-	-	_	-		Diseases of Integumen-	7.6	7	1	_	-	1	_	5	
sitical Diseases 5		-		-						tary System)		<u> </u>	-	_		-		_	
Starvation, Want of Breast-milk †}	0.8	-	-	-	-	-	-	-	-										
Alcoholism	5.7	20	-	-	-	8	12	-	-	VIOLENT DEATHS.§					1				
The second of th										(ACCIDENT.) Fracture and Contusion	18.1	19	-	-	4	4	4	7	-
Rheumatic Fever, \ Rheumatism of Heart†	10.6	18	-	-	6.	9	3	-	-	Gunshot Wound Cut, Stab	0.1	=	-	-	-	=	-	-	=
Rheumatism †	3.7	3 4	1:	-	-	1	1	2	-	Burn and Scald Poison	10.8	11 2	-	4	2	1 1 2	1 1 2 1	1	2 -
Gout Rickets†	3.6	5	3	2	_	-	-	2	1	Drowning Suffocation	4.6 19.7	14	13	-	-	-	1	-	=
Cancer	61.0	53	-	-	-	2	28	22	1	Otherwise	4.4	1	1	-			_	_	
Tabes Mesenterica -	24'6	16	8	7	1	***	-	-	-										
Tubercular Meningitis - Phthisis	25.8	312	8	10	31	150	100	19	1	(HOMICIDE.) Murder & Manslaughter	2.0	3	-	2	-	-	1	-	-
Scrofula, Tuberculosis -	16.4	18	5	1	4	3	-	-	-			-	-	-	-	-		-	
Other Constitutional Diseases †	11.7	17	-	-	2	6	3	6	-	(Suicide.)			1						
		1-	-			-		-	-	Gunshot Wound Cut, Stab		1 2 2 2 2	-	-	-	1	-	1	
Premature Birth	43'4	43	42		-	-	-	-	-	Poison	1.6	2 2	-		-	-	2	1	
Atelectaris † Congenital Malforma-	4.2	2	2		-	-	-	-	-	Hanging Otherwise	1.7	2 2	-		-	-	2	2	
tions		8	7		-	-	-	-	10		-	-	-		-	-	-		
Old Age	65.5	- 83				-	E	35	48	(Execution.)									
Apoplexy	55°3	30	-	1		3		12		Hanging	0.0	-	-	-			-	-	
Epilepsy Convulsions	9.2	10 62	61			3	2	2	1 -					-					
Other Diseases of Brain	02.7	115					19	35		OTHER CAUSES † -	- 66°3	69	52		-	2	4	6	-
and Nervous System	5 001	113	1 -1	20	0	ı °	13	1.00	1	11			1	1	}	1	1	-	
				_	-										0	100	40		

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9°046 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not critified by a registered editioner, the case is returned under the heading no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, enslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-FOX, MEASURE, SCARLEY during the Week ending

													duri	ag t	he V	/ eek	end	ing
							The	DEA	THS I	egist	ered i	n the	e Wee	kine	lude			
	Enume-			Deat	hs of					Deat	hs fro	m					io	
REGISTRATION	rated Popu-	H8	THE.	6r 1	d 60 wds			3		ough		Fever.	or.			·	Publi	Cause
SUB-DISTRICTS.	lation,	Вівтия	DEATH	under of Age.	aged a upw	OX.		Feve	ria.	08-0¢		(Or	Fev.	· i		Cane	in F	led C
	1881.		Total I	Infants Year o	Persons Years	Small-pox.	asies.	Scarlet Fever.	Diphtheria	Whooping-soug	Typhus.	Enteria (o Typhoid)	Simple con-	Diarrhoa	Violense	Inquest	Deaths	Uncertified (
		Total	To	Infa	Per	Sm	Measi	Sea	Dip	Wb	Ty	Ent	Sim	Dis	Vio	Inq	Des	Cuc
LONDON	3,815,704	2714	2720	415	695		24	22	22	104	-	14	1	6	65	171	626	30
WEST DISTRICTS	669,638	441	464	58	123	-	1	6	4	13		4	-	-	6	21	146	-
North Districts	905,947	588	603	81	174		10 5	6	7	17	-	2	1	2 2	13	85	119	
CENTRAL DISTRICTS	282,238 692,738	180 512	215 542	92	52 126	-	6	1	6.	32	-	3	-	-	14	18	162	2
SOUTH DISTRICTS	1,265,148	993	893	160	220	-	2	6	5	41	-	4	-	2	21	149	163	20
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON	-	-	8	-		-	-	2		-	-		Ŀ		-	-	8	-
WEST DISTRICTS.		70	*0	.,						1						,		
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	58 14	19	11	19	-	-	-	1	-	-	ī	-	-	1	1	7 4	=
Rensington Town Ww - W.M. & C.	120141 48010	88	98 18	12 2	85 8	H	-	-	-	1 -	-	-	-	-	1 -	4 -	44 5	1
St. Peter Hammersmith St. Paul Hammersmith Fulham Www W.M. & G.J. W.M. & C.	7599 64840	59	30	5	4		=	1 3	-	2	-	-	-	-	1 2	1 5	3	ī
	42900 30396	67 24	20	3	11		_	2	1 -	1	-	-	-	-	-	3 2	19	1
Chelsea North-west WHHHHH. C. C. C.	24925 82807	17 22	29 15	2	7 2		1 -	-	-	1	-	-	-	-	-	1	17	=
May Fair WW G.J. Belgrave WHHH C.	80353 59220	9 24	26 35	5	11 8 8	-	-	=	2	-	-	1 -	-	-	-	2	13 15	1
St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24679	19 10	18 18	1	2		-	-	-	8	-	ī	-	-	ī	8	7	2 -
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	9 7	14 9	1	1		-	-	-	1 -	-	1 -	-	-	-	-	2 2	=
NORTH DISTRICTS.	26759	15	16	2	5			_		1	-				,		9	
Cavendish Square HHHH W.M.	14891 24809	6 13	5 17	- 8	4	H	-	-	=	-	1 1 1	=		-	1	1	6 - 5	E
Carendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christehurch Marylebone HH - W.M.	21118 88700	26 15	18	3	6		-	=	=	8 -	7.	=		-	-	-	-	
St. John Marylebone H W.M. Hampstead WwwHHHH N.R. & W.M	33638 45452	17 23	16 30	2 2	3 10		-	1	3	1		2	-	-	-	-	9	-
Pagent's Park Paneras H W.M.	89115	21	21 88	3 4	7 10	:	1	1	-	3	-	-	-	ī	1	2	-	-
Tottenham-court wHHHH N.R. &W.M. Gray's Inn Lane HHH - N.R. Somers Town H N.R.	27729 80247 84369	18	26 26	8 2	6 2		2	-		1	+	-	-	-	3	2 4 2	16	-
Camden Town WH - N.R. Kentish Town W - N.R.	17811 87487	21 53	22 58	5	10 24	-	-	-	ī	3	-	-	ī	-	=	1	14 9	-
Upper Holloway WWwH N.R.	67946 100976	65 66	71 67	9	24 17	-	2	ī	1	2	-	-	-	-	2 2	4	30	-
Highbury H = N.K.	61895 52048	26 27	29 18	6 5	7 2		-	1 1 -		-	1.1	=	-	-		3	-	-
Stoke Newington H N.R. Stamford Hill E.L. West Hackney H N.R.	22781 9277	16 10	9	1 -	6 4	-	-	-	-	-	-	-	-	-	1	1	-	-
Hackney WwwwH E.L.&N.R.	87610 76911	26 57	18 60	8 6 2	13 4	-	5	ī	1	-	-	-	0 9	1 -	1	5	1 23	ī
South Hackney E.L. CENTRAL DISTRICTS.	39883	31	15	Z				-	1	-	7	-	-	-	-	2	-	-
St. George Bloomsbury St. Giles South WH N.R.	16681 14864	7	5 14	ī	2 5	-	ī	-	-	-	-	-	-	-	-	-	- 9	-
St. Giles North N.R. St. Martin-in-the-Fields HH N.R. & C.	18837	7 5	11 18	2 8	2 6		1	-	-	-	-	-	-	-	-	-	6	-
St. Mary-le-Strand H N.R.	7515 8559	2 7	10	-	8 -		1	-	=	-		=	-	=	1	2	4 -	1 -
Strand Union Workhouse, Edmonton &.	18671	6	21	-	3		-	-		-	-	=	-	-		=	-	-
34 Andrew Eastern W - ND	10706 6533	15 2 14	6	1 2	1 2 6	-	=	-	-	1	-	1 -	-	=	1	2	7	-
Saffon Hill H N.R. St. James Clerkenweil N.R. Amwell Clerkenweil N.R. Pentonville N.R.	17516 19281	19	14 12 15	1	2		1 -	-	-	-	-	-	-	1	-	-	-	=
Convellatreet NP	14773 17506 11541	9 12 8	9	1 -	2 4 2		-	1 -	=	-	-	-	-	-	-	1	-	-
Pentonville - N.B. Goswell-street - N.B. Old-street H - N.B. Olty-road HHL - N.B. Whiteeross-street - N.B.	18628 9217	228 8	26 5	6 2	3	H	ĩ -	-	, -	-	-	=	-	1	î	ī	1	ī
Holborn Union Workhouse, Mitcham w.	7468	1 -	3 -	-	1 -		-			-	-	-	-	E	1 -	1 -	-	=
St. Botolph H N.R.&E.L. Cripplegate N.R. St. Sepulchre H N.R.	11174 7193	5 5	10	2	2 2	-	:	-		-	-	-	-	=	-		-	-
St. Sepulchre H N.R. St. Bride W N.R. Allhallows Barking N.B.	5858 8896 18666	8 2	14 1 3	=	- 2	=	-	-		-	-	-	=	-	8 -	2 4	11	=
Broad Street H N.R.	LAUUUU	- 4	0	-			-		-	-	-		-	- 1	1	1	-	-

NOTE -The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse; #-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving immates from other Districts than that in which is said, see note at the toot of next care. The Roman capitals signify the Water Companies which supply the different sub-districts: -(A.J. signifes and K., the Kent Company, W.M. West Middleren; C. Cheles; S. Bouthwark and Vanthall; L. Lambeth; N. R. New River; E.L., Kast London;

ER, DIPBTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sue-district

rday, 18th January, 1890.								-										
							The	DEA	THS T	egiste	red in	the	Week	inel	ude:			
	Enume-			Deat	hs of			4	D	eaths	from						ic	9.8
REGISTRATION SUB-DISTRICTS,	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS. Well Shoreditch - N.R. & E.L. eonard Shoreditch HL^{\oplus} - N.R. on New Town \oplus - N.R. on Old Town N.R. erston WH - N.R. & E.L.	7376 14967 29937 28036 46275	2 5 22 24 22	7 4 81 21 41	1 5 3 8	1 14 7 12	. 11711	1 - 1	11111		1 2	11111		11111	11111	1	1 2 4 8	13 - 14	
nal Green North H - $E.L$. nal Green South - $E.L$. nal Green East WHL^* - $E.L$.	51157 34399 41405	33 28	38 24 40	6 8 3	6	-		-	1	4 1	111	111	111	1.1.1	ī	1 8 1	20	=
fields E.L. & N.R.	22585 15478 17490 9713 6102	16 18 17 5	9 25 30 1 7	4 2 3 1 1	8 5 - 3		1	1111	1 1 1 1 1	1	11111	11111	11111	11111	6 -	7	19 22	71111
oorge's, North E.L. ohn, St. George East W - E.L. well H E.L. & N.R.	88747 8410 10895	26 6	25 14 17	3 1 6	5	1 2			11 1	1 2	1 1 1	1 -	11		1 1	3	11 10	17
house E.L.	16107 32041 87960	8 21 28	16	1 2 3	1 2 5		- "	1 1	1	2	-	-	111			1 1 2	-	
End Old Town West H - E.L. End Old Town East $WwwH$ - E.L. L* E.L. Enley $wwwH$ E.L. ar WWH E.L.	87074 64359 55077	66 21 45 40	31 59 21	12 8 7 4	11 4 17 4	1, 1, 1, 1,	2	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 8 1		1	11.11.1		1 1 1 1 1	3 5 1	15 3 28 8	1
South Districts. tehurch Southwark ## L, & 8. viour Southwark 8. -road 8. & L. ngh-road ## - 8. & L. sty Newington - 8. & L. aty Newington - 8. & L. aty Newington - L. & 8.	18663 14999 31881 15953 21318 26673 59555 21623	9 14 12 17 11 17 47 18	7 8 26 18 14 15 58 14	1 3 2 5 6 1 8 2	2 3 1 1 5 14 3	111111111111111111111111111111111111111	1111111		1111111	- 1 52 - 14 -	1111111	1111111	1111111		11111111	1 - 2 1 1	1	111111111111111111111111111111111111111
ave WH S. & L. arr Market S. & L. arry Magdalen W S. mes Bermondsey - S. prhithe WH S. & K.	11956 16300 15669 54682 36024	9 16 17 45 30	25 7 16 25 86	6 2 2	4 8 8 4 17		11111	1 1 22 1	11111	11114		1	11111		1 2	2 - 4	17 2 17	1 1 1
rloo-road ist # I. * 8. rloo-road ind # I. * 8. rloo-road ind # - I. * 8. seth Church ist # - I. * 8. seth Church ind # # - I. * 8. seth Church ind # # - I. * 8. seth Church ind # # - I. * 8. seth Church ind # # - I. * 8. seth Church ind # - I. * 8. seth Church ind	- 15195 16351 19876 39859 45232 35382 62837 19017	18 24 13 41 27 84 82 10	9 8 29 46 16 15 32 16	2 1 4 6 8 2 6 3	1 8 6 14 9 5 10 4	11111111		111111111	Tierrie.	3 1 3 1	11111111	11178111	1111111		6	7 4 -	18 26	1 1 2 2
Battersea - 8. Battersea WwH - - 8. am H - - 8. lsworth WHL - 8. tham - L.	54675 52587 36380 28004 13235 25553	51 56 19 30 8 19	81 47 12 21 10 16	11 10 1 4 3 2	6 11 8 4 2 6	111111	111,111	111111	7	3 - 1 - 3	1111111		111111	11111	2 - 1 -	2 8 1 1 1 -	11 3	1
ich erwell $W \omega L^* L^* - S. \& L.$ ham $W - S. \& L.$ horge Camberwell; $L. \& S.$	5590 59104 71089 50810	8 57 54 40	8 68 84 16	1 9 8 4	1 20 4	111	1 17 1	1	1	- 4 2			1111	1111	8 8 6 -	. 1	25 1	4 2 -
aul Deptford www - K. icholas Deptford K. iwich West H K. iwich East WHH K.	76752 7901 21972 24608	74 8 9 26	48 4 18	8 - 1 8	5 1 4		111	111	1111	3 - 2	1111	2 -	411	1111	2. 1. 1	,4 1 1	1 - 2 19	
m H K. H K. sham WH K.	5048 21559 19865 26076	10 17 16	38 1 9 18 12	1 5 1	12 - 4 3	1 111 1	1 3141	1,111	1	1 1 -	1111	1	1 1111	1	1111		2	
ton HII - K. wich Dockyard - K. wich Arsenal HH - K. stead, West H - K. stead, East W - K.	10980 17617 19048 14009 19241	5 8 7 7 88	1 3 15 8 20	1 2 1 7	2 3 3 3	11111		1	E1 C 1.1	2 -	11111	11111	11711	11/11	- - - 1	2 - 1	3	1 1 1 1
politan Asylum Hospitals: artford w inchmore Hill w		. 1 1 1	8 -	14-	1	117		2		1 - 1		111	1.1.1				3	-

Table of w:—

Ta

Table 6.—LONDON.—OUTER RING. — Area; Population: Births and Deaths registered during the Week ending Saturday, 18th January, 1890.

,				11 661	k endi	IIA O		у, 18	ти ов	TRUE	y, 10	JU.	_					
Regis-		Area in				-			The DI	EATHS	registe	ered in	the V	Veek i	nelude			
tration District		Acres,	Enume-			Deat	ths of				Death	s from						1
and	REGISTRATION	inclu- ding	Popu-	HS.	DEATHS.	F 1	1 80 vds.		1	-		ugh.		1	1		tblie	Cause
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS	DEA	under of Age.	aged & upw	JK.	1	Scarlet Fover.	ria.	Whooping-cough		1	1	Inquest Cases	Deaths in Public lastitutions.	
Num-		Fore-	1881.		Γ.	Infants Year o	Persons Years	Small-por.	Measles.	riet 1	Diphtheria	oopir		Diarrhosa	Violence.	Rest	the i	Uncertified
bers.		shore.			-	Infa	Per	Sm	Me	Sca	Dip	Wh	Fever.	Dia	Vio	Inq	Dea	Unc
LOI	DON-OUTER RING	370,924	950,957	940	610	146	160	_	15	3	3	22	2	5	17	35	77	1
80:1	Carshalton wL - Epsom (part of)* WwH	12228	21118 10710	8	25 3	2 -	7 -	-	-	-	1	-	-	-	1 -	1 -	21	
37:1	Godstone (part of) * -	2754	1235	2	2	-		-,	-	, -	1	-	-	-		-		
38:1	Croydon WwEIII -	20851 11697	101241 17982	78 11	67	19 1	20 1	 	2	2			1	-	2	.2	8	
89:1	Wimbledon HHH -	3220	15950	19	8	2	2	Course						1			-	
2 8	Kingston WHH	8849	36354	82	13	5	2		. - '	1 -		-	12	1	-	1	8	
4	Esher (part of) *	6601 4578	9221 18539	13	9	1 2	2 2	, = , ,		-	_	_	-	_	-	-	-	
40:1	Richmond WH	2272	21302	18	18	4	8	1/2	-	_	<u> </u>	1	-	-	2	2	2	
2	Mortlake	2941	12331	7	8	- 1	1		-	0-	- '	-	-	-		1	-	1
47:1	Bromley (pt. of) * HH Chishrst(pt.of)* WHH	15669	81142 15844	39	7 9	4	3	-	_	-	_		_		1	1	-	
42:,1	Bexley H -	18487	24134	18	12	1	. 5	~ -	-	-	-4	. 1	_	-		-		
2	Dartford (Ww, pts. of)*	-	-	-	8	-	2		-	-		-		-	1	1 -	3,	
124: 1	Staines W	11055 18277	11685 12089	8	3	2	1 3		3	-			_		1	1	-	
125:1	Hillingdon WHH -	6029	10802	4	4		2	_	_		_	-			1	-	1	
9	Uxbridge	6178	\$225	8 .	2		1	-	1	-	-	-		-	L	-	-	
126: 1	Hayes wHL Isleworth WHH -	14587 7008	11528 22727	8 22	. 9	3	1	_	-	-						2	5	
2	Twickenham H-	2477	12479	4	5	2	1	-	-	-	-	1	7.	-	-	-	1 -	
8	Brentford HL Chiswick	4845 1840	27649 15975	25	. 11	2 2	1.	-	1	-	-	1	1	-	-	•.	-	
5	Acton wH	6088	22876	27	14	8	8 4	-	- 1	-	-	-		-	1.	2	-	
127:1	Harrow H	13809	12796	11	4	2	-	-	-	-	-	-	-	-	-	-	-	
3	Edgware H Willesden	6994 4383	3749 27458	4 47	27	11	6		- 1	-	-	1		-	1	5	-	
	Hendon W	8382	10484	11	8	1	~ 4		-	-	-	-	1-1		1	2	3	
187:1	Bushey	9331	6621	-	2	-	1		-	÷	-		-	-	-	1	-	
128:1	Watford (W, pt. of) -	15599	6391	-	1 2	-	1	-	-	-		_		-	,-	1	. 1	
2	Barnet	5488	10092	2	4	1	1	-		-	-	1	-		-	_	1	
3	Finchley HL	4688	17615	18	. 18	.2	. 7		-	-	-	-	-	1-	-	2	6	
185 : 1	Hatfield (part of) * - Hornsey H	3306 3039	583 37078	- 1	1	-	1	-	-		-	-	-	-		-	-	
2	Tottenham H	4642	46456	23 73	22 48	3 12	9 8	-	-	-	-	3:	-	2	3	1	4	
3	Edmonton Wwt -	7468	23463	25	13	8	6	-	-	-	-		-	-	~	2	4	
δ	Enfield WH Waltham Abbey	11017	19104 5368	17	14 2	6	1		-	-	-	-			2	-	- 3	
6	Cheshunt	8480	7785	2	8	-	2	-	-		-	-	-	-	-	1	-	
186:1	Stratford West Ham wwwwb \$\	882 2785	38606 90847	43 131	20 83	11 21	10	-	2	1	1	5	-		-	-	1	
8	East Ham	3266	10706	26	15	8	8	-	3		-	1		-		-	-	
4 5	Leyton WwL Waithamstow H -	4372 6520	32430 28869	52 34	82 20	6 8	14	-	3	-	-	-	-	-			9	
187 : 1	Chigwell (part of) * H	11761	9669	11	20	-				-	-					_	_	
2	Epping (W, pt. of)* -	3266	10206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
189:1	Romford (part of) * W	6730 8493	3411 7645	- 4	2 8	2	1	- 1	-	-		-	-	-	-	-	1	
8	Barking Town	4127	9203	17	4	1	-	-	-	-		-	-	1	-	-	-	

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follow:
20:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Cadham and Knockholt (pop. 1818); 41:2, Chisichurst, sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hattiels sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 487); 135:1, the parish of Northaw in Hattiels sub-district also leaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Licentification of London residents in the Metropolitan Assum Hospital, a Plaistow (see Table 5).

Metropolitan Asylum Hospital at Plaistow (see Table 5).

" On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 18th January, 1890.

															=	
ann.	Area in Acres,	Estimated	of Mon	L RATE	DEATHS	Deat	The Da	ATH8	regi			she W		nelud	e	Public jone.
GREATER :	including tidal water and foreshore.	Population, middle of 1890.	From	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhosa.	Violence.	Deaths in Pulnstitution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
ATER LONDON	448,334	5,758.500	30.3	2.2	3330	561	855	-	39	25	25	126	17	11	82	703
NNEE LONDON - UTER RING -	77,410 370,924	4,421,661 1,336,839	32·1 23·8	2.3	2720 610	415 146	695 160	- 1	24 15	22	22 3	104	15 2	6 5	65 17	62 6

TR.—The area of Greater London is 448,834 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 16,935,747 Persons.

						ANNUAL	DE	ATHS	FROM D	PRIN		ZYMO	_
CITIES.	POPULATION (enumerated pr estimated).	DATE OF RETURE Week endin		BIRTHS. Exclusive o	DEATHS. f Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Discusses.
CUTTA	433,219	November	30	_	263	31.6	2	1		_	-	80	65†
MBAY	773.196		24	318	419	24.0	-	4	2	2	5	119	43†
DRAS	398.777	,,	6	327	262	34.1	-	5	5	3	?	81	34
	.,		11	1130	2065	47.5	1	10	3	23*	13	17	54
USSRLS	2,260.945 471,606		11	265	417	46.0	-	1	_	1	4	3	20
8 Faubourgs.)	9/1,000	99		200	22.	200							
STERDAM -	403,083	99	4	274	209	27.2	-	6	-	7	-	1	-
TTERDAM -	197,723	39	4	134	112	29.3	-	-	-	-	3	· 1	-
R HAGUE -	153,440	29	4	101	40	13.2	-	-	-	-	1	-	-
PENHAGEN -	307,000	13	11	220	169	28.7	-		3	9	1	4	4
DCKHOLM -	228,218	29	4	207	120	27.3	-	-	5	4*	2	1	8
RISTIANIA -	138,300	17	11	73	69	25*9	-	6	***	7	2	-	2
PETERSBURG	842,883	December	28	-	482	29.8	-	10	19	.7	5	6	34
RLIN	1,489,672	,11	28	1000	1069	36.2	-	6	. 4	37	18	. 5	30
AMBURG(State)	575,276	January	4	413	345	31.3	-	-	4	9*	5	8	17
RESDEN	264,196	**	4	155	168	32.4	-	5	-	6*	-	-	4
RESLAU	315,000	,,	11	213	167	27.4	-	-	-	7*	1	1	14
UNIOH	281,000	22	4	230	241	42.1	-	2	-	12*	1	-	16
ENNA	811,434	22	4	522	669	42.3	-	11	1	8	3	1	18
AGUE	304,356	99	4		228	39.1	-	3	2	6	1	2	3
DA-PESTH .	452,907	25	4	334	321	36.0	-	- :	1	10	-	4	20
RIESTE	158,084	39	4	-	129	41'9	-	3	-	-	-	-	2
OMB	407,936	November	2	252	183	23.4	2	-	-	6	~	16‡	
URIN (10 days)-	306,398	December	20	255	252	30.0	-	7	-	-	-	5	13
KHICH	154,369	January	4	128	128	43°2	27	-	-	2*	-	2	12
AIRO	374,838	December	26	399	422	58.7	-	-	-	2*	3	19	115
LEXANDRIA -	231,396	11	26	253	213	48.0	3	-	1	1	2	10	59
EW YORK .	1,571,300	,,	28	-	762	25.4	-	7	3	30	6	6	16
BOOKLYN -	834,607	,,	28	-	360	22.3	-	2	2	27	3	3	3
HILADELPHIA -	1,040,245	,,	28	-	404	20.3	-	3	1	10	1	26	5
ALTIMORE	500,343	17	28	-	192	20.0	-	3	1	6	2	7	4
EW ORLEANS -	254,000	November	30	-	121	24.9	-	-	-	2	-	4	9
					1		11					-	

Including deaths from croup.
 Including 27 deaths from cholera in Calcutta, and 2 in Bombay.
 Including 6 deaths from malarial fever.

during the Week ending Saturday, JANUARY 18TH, 1890.	
taken at the Royal Observatory, Greenwich,	[Under the Superintendence of the Astronomer Royal.]
LABLE 9 METEOROLOGICAL OBSERVATIONS	

<u></u>									À	Tete	rolog	gic	al Obs	servati	ons.						
-				1.2	8.9	8.0	2.2	1.0	8.9	0.3	3.6	27	a; no	r, ard	e air luced ygro-	aphic	and	and the	The ; and show	to the	15 in. 05 in.
	Rain	in a Gauge whose	surface is 5 inches above the Ground.	in. 0.00	0.00	0.00	00.0	00.0	00.0	0.13	Sum 0.13	26	vel of the sea; no	n a discu arometer mean rec	temperature of the of humidity are deducers by Glaisher's Hyg	photograph move	two feet below	Deptford, ns from	ometer. strong	pplying t	sek to 30° si increas
ı		on's.	Departure from Average of 16 Years.	Miles.	+ 44	+ 52	+ 62	- 43	+ 20	+282	Sum +408	25	m. The	or the borrected	nperatu numidity by Glais	horizon ending	th of tv	rket at 1 1structio 17 Floot	lerate; s ine Inst	ood as a	of the we
· ·	ers.	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	365	374	886	283	348	615	Sum 2679	24	the barometer is 159 feet above the mean level of an eradings to reduce to sea level. at \$49.h. AM; noon; 3h. P.M.; and \$h. P.M. The nearly by the heavy high thermometer; and the wet built therm	ding 1873 With the co	the mean dally value of temperature of the air temperature and degree of humidity are deduced and wet bulb thermometers by Glaisher's Hygro-	a discussion of the photographic and that of horizontal movement the 16 years ending 1875.	data dep	of the jettles of the foreign Outlie Market at Deptford, by the Clerk of the Market, under instructions from Animal from Thomson's self-monitoring Platters.	k; m. moc kes Sunsh	to be understood as applying to the	beginning the 13th; on the sa
40 000	amoma	the of.	Mean of 24 hourly obs.	lbs.	0.3	1.0	₩.0	0.0	0.5	2.0	:	23	set abo sea le r. P.M.;	correcars en ters.	ally va and d	from 8 1868, a for th	spende	Tarket	v. weal	0	at the .w. on h. P.M.
Parom A.	LLOIN AL	Pressure on the	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	duce to	ation or enty y rmome	mean da perature wet bul	erived ending records	are su	the F	tive; v Campk	ch day	9.93 in. F
Samonda	eaucea		Great.	1.6 1.6	3.5	9.2	3.0	1.1	2.6	ه ه	:	21	s to re	application the the the the the the column t	the m tempe and w	that d	hames	lerk of	n the	e on ea	from 25 91 in. b 9.86 in
Miles de la	wing as deduced from Anemometers	Osler's	P.M.	NW.W. &	WSW. & W.	SAW. & SW.	WSW. & SW.	SW. & SSW.	S. & SSW.	WSW. & SSW.	Т.	20	The height of the eistern of the baronneter is 159 leet above the mean level of the sea, no correction has been applied to the readings to reduce to sea level. Observations are usually taken at 9th A.M.; noon; 3th P.M.; and 9th P.M. The means of the coveragings of the play the day built thermometer. and the wet built thermometer are	converted into mean daily whose by the application of corrections deduced from a discussion of of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty wears ending 1886 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum.	and minimum thermometers, forming the mean daily while of temperature of the air column 8). The mean daily deep point temperature and degree of humidity are deduced from the mean daily values of the dry and wet builb thermometers by Glaisher's Hygro-	The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 2) years ending 1868, and that of horizontal movement of the amenometric records for the 18 years ending 1875, of the air from a discussion of the amenometric records for the 18 years ending 1875.	In Federing the could have a sure with the course in mind. The course is the course of the course of the Thames are suspended at a depth of two feet below.	e surface, at the end of one of the jetues of the foreign Cattle Market at Deptford, ear requires are registered by the Cliffer of the Market, under instructions from proration of Louisian Plantace and Cattle of the Cattle of Louisian Company of the Cattle of Louisian Company of the Cattle of Louisian Cattle of Cat	The record of mercurous a derived from the controlled are scheduled are: "Pt proposed are: "Pt positives, in the gative; w. weak; in. moderate; s. strong; sind, v. wraitable." The municipal design of the controlled from the Campbell-Stokes Sunshine Instrument; should the municipal design of the controlled from the Campbell-Stokes Sunshine Instrument; should be controlled to the controlled from the Campbell-Stokes Sunshine and Instrument; should be controlled to the controlled from	the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are civil day, or from midmight to midmight.	The reading of the barometer increased from 29 '93 in. at the beginning of the week to 30 '15 in. PNB. P. P. or the 12th; increased to 39 '11 in. PNB. P. P. or the 12th; increased to 39 '16 in. by 91. A. or the 12th; increased to 30 '16 in. by 91. A. or the 12th; decreased to 30 '16 in. by 91. A. or the 12th; decreased to 29 '16 in. by 91. A. or the same duy; increased to 30 '16 in.
		General Direction.	A.M.	SW. W. &	SSW. & SW.	SW. & SSW.	WSW.&SW.	SW. & SSW.	SSW.	S. & SW.	SW	19	The height of the cistern of rrection has been applied to the Observations are usually take	an daily va c records m years endir	ermometers mean daily aily values	perature of reenwich du scussion of	he average.	the surface, at the end of one their readings are registered Corporation of London.	are: -P. 1	ation of brig all the meter midnight to	12th; decre
The Bank	1	ames ord.	Low.	0.44	43.9 S	8 0.44	44.4 W	44.6 S	2.55	44.1	44.8	18	as beer	nto me graphi wenty	um th The rean d	uge tem e at Gr	than t	the surface, at the end of their readings are region of London.	ra or r pployed	te dura	ng of the on the
TITLE	TOKE.	Of the Water of the Thames at Deptford.	High-	4.2.4	45.4	45.5	45.6	46.1	46.I. 4	46.0	45.7	17	e heigh ction h servati	erted in photon in the 1 pe 1	and minimum (column 8). The from the mean	e avera ds mad e air fr	ower," e therp	urface, readii oration	The reco symbols en v. variable.	ggrega e resul	e readi
ACD CAD A	IEMPERATURE		Lowest I on the Grass.	24.5	22.5	8.08	41.0	39.3	38.6	36.2	33.2	16	corre	conve of the durin	(colu from	recor of the	1, E	the s their Corp	symk v. va	th.	
10 00 00 E	7.	Of Radiation.	High- est in Sun's Rays.	0.4.1	6.09	54.3	54.1	63.1	9.19	87.2	2.29	15		Generally	ıst till	afterwards.		feloudy	-8200 T	etween unts of	ght cloud, between th. A.M. and 3h. P.M.; overcast tter 3h. P.M. Strong gusty wind at might, and a ttle thin rain fell at times.
- Inneren		Degree of Hu- midity	ration equals 100).	94	91	93	87	88	282	48	98	14	zî.		frost; overcast	ist after		partially [cloudy	rain fell	rain 1 ble amo	P.M.; of night,
aborete.	ween		Least.	0.1	0.0	0.0	9.1	1.0	1.0	6.7	1:1	13	REMARKS	ferwar st at nig		overcast		and	fine	heavy h varia	and 3h.
S S S S S S S S S S S S S S S S S S S	ence bet	and Dew Point Temperature.	Great-	0 12.5	4.4	2.4	2.4	8.9	1.9	10.2	4.4	12		in morning: fine afterwards.	rith horight.	generally		s; fine	A little	ng, with	gusty imes.
- Chance			Mean daily value,	0 4.5	2.4	2.0	တ	3.5	3.2	6.5	4.1	12	GENERAL	orning :	ning, tw	ning; g	Very mild.	morning;	ercast.	A.M.;	ween sh Strong fell at t
		Of the Dew Point.	Mean daily value.	97.3	43.8	41.5	44.4	45.0	2.68	2.88	41.4	10	GE	Cloudy in mornin oudless from noon.	Fine in morning, with hoar ening; cloud'ess at night.	in mor n evenir		ä	Generally overcast.	wind in and 7h.	ud, betra P.M.
0.0	KE.		De- parture from Average of 2) years.	+ 6.4	0.8 +	6.5 +	8.6 +	4.6+	9.4	+ 2.0	+ 7.0	6.		Cloudy cloudiess f	Fine	Foggy in morning; Windy in evening.	Overcast.	Overcast afterwards.	Generally over stonally at night,	Guaty 5b. A.M.	light clo after 3h little thi
TAM A CRO	LEMPEKATUKE	Aír.	Mean daily value.	0.44.5	7.94	43.3	48.5	78.5	43.5	2.17	45.5	00	rizon,	61	67	63	60	. 83	es .	8.4	8um 57.9
T. C. M. C. M.	TEMP	Of the A	Daily Range.	16.7	18.6	15.5	60	6.4	1.4	F.6	11.5	7	Registered Sun above Sunshine, Horizon, in hours. in hours.								
ı			Low-est.	8.48	83.0	84.4	46.2	45.0	40.4	40.8	59.4	9	Registe Sunshi in hou	8.0	0.0	0.0	0.0	1.5	4.0	4.9	Sum 7.3
		-	High-	51.5	52.5	6.67	49.8	55.0	47.5	2.09	20.6	10	n of te.)	t uoou	•	ning;	ning;	•	ning;	A.M.;	
RABO	METER	Mean daily reading	rected and re- duced to \$2° Fahren- heit).	in. 80.078	076.67	29.662	59.968	29.962	29.866	29.25	65.600	4	ELECTRICITY. (For explanation of symbols, see Note.)	m. P. till afternoon; P. afterwards.	m. P. generally	s. P. in morning; w. P. afterwards.	w. P. in morning; v. P. afterwards.	m. P. generally	w. P. in morning; v. P. afterwards.	w. P. till 7h. A.M.;	er wards.
		Phases	Moon.	:	In	Last Qr.	:	:	:	:	:	8	ELE (For e symbo	m. P. 8. P. aft	т. Р.	8. P. w. P. afi	w. P.	m. P.	w. P.	W. P.	v. P. aft
		.0.	AND .	. 12	. 13	. 14	. 15	. 16	. 17	18		ol.	S. S. Y.	- 12	. 13	. 14	125	16	. 17	. 18	
		1890.	Монти анъ Day.	JANUARY.	Mon.	TUBB.	WED.	THUBS.	FRI.	SAT.	MEANS	No. of Col.	DATE. JANDARY	SUNDAT	MONDAY	TUESDAY	WEDNESDÁŸ	THURSDAY	FRIDAY	SATUEDAY	

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 4. 1890. Vol. LI.]

WEEK ENDING SATURDAY, JANUARY 25.

[Price 11d.

General Register Office, Somerset House, 27th January, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in Twenty-eight Great Towns of England and Wales corresponded to an annual rate of 24.2 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending			Weeks ending						
Towns.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Towns.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.			
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff -	23·5 31·7 31·1 25·4 18·1 26·3	21·9 21·2 24·1	27·4 24·9 24·8 20·2 15·6 25·8	22·9 21·5 23·9 19·5 20·2 27·2	London Manchester - Newcastle-on-Tyne Norwich Nottingham - Oldham	28·0 32·8 25·0 19·7 17·7 19·9	33·8 28·5 19·7 19·4	32·1 28·4 27·2 20·2 14·9 14·9	22·9 26·3 26·9 22·1 15·9 16·8 23·5 20·5			
Derby - Halifax - Huddersfield Hull - Leeds - Leicester -	22·2 22·2 16·6 24·6 27·1	27·4 19·1 23·8 24·6	17.6 21.0 18.8 21.5 26.1	15.0 24.8 17.7 27.1 27.1	Portsmouth - Preston Salford Sheffield Sunderland -	28·5 32·2 22·6 24·4 21·8	20·4 23·8 19·8	22·6 25·8 20·9 23·5 20·3				

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.0 in Liverpool and 1.3 in Wolverhampton; from scarlet fever, 1.0 in Manchester; and from whooping-cough, 1.0 in London, 1.5 in Hull, and 2.7 in Bristol and in Bolton. The death-rate from "fever" did not reach 1.0 per 1000 in any of the twenty-eight towns. The 45 deaths from diphtheria in these towns included 22 in London, 4 in Manchester, 4 in Salford, 3 in Sheffield, 2 in Birmingham, and 2 in Newcastle-upon-Tyne. No death from small-pox was registered in any of the twenty-eight great towns.

LONDON

In London 2510 berths and 2227 deaths were registered. Allowing for increase of population, the births were 380 below, while the deaths exceeded by 260, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 28.0, 32.4, and 32.1 in the three preceding weeks, declined last week to 26.3. During the first four weeks of the current quarter the death-rate averaged 29.7 per 1000, and was 6.6 above the mean rate in the corresponding periods of the ten years 1880–89; the mean death-rate during the last four weeks in the twenty-seven provincial towns did not exceed 23.7 per 1000.

The 2227 deaths included 21 from measles, 10 from scarlet fever, 22 from diphtheria, 82 from whooping-cough, one from typhus, 10 from enteric fever, 14 from diarrhea and dysentery, and not one from small-pox, ill-defined forms of continued fever, or cholera; thus, 160 deaths were referred to these diseases, being 83 below the corrected average weekly number.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; but nine years after the last enumeration such an hypothesis is obviously somewhat untrustworthy.

No death from small-pox was registered, the corrected average being 14; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and 1 in the Highgate Small-pox Hospital. The fatal cases of measles, which had been 36, 24, and 24 in the three preceding weeks, further declined last week to 21, and were but half the corrected average; 6 belonged to Bethnal Green and 3 to Mile End Old Town sanitary areas. The 10 deaths from scarlet fever were fewer than in any recent week, and were 24 below the corrected average; 2 belonged to Camberwell sanitary area. Metropolitan Asylum and London Fever Hospitals contained 1372 scarlet fever patients at the end of the week, against numbers declining on the four preceding Saturdays from 1609 to 1394; 91 cases were admitted to these hospitals during the week, against 122, 71, and 77 in the three preceding weeks. The deaths from diphtheria, which had been 32, 26, and 22 in the three previous weeks, were again 22 last week, but exceeded the corrected average by 2; 3 belonged to Chelsea and 2 to Islington sanitary areas. The 82 fatal cases of whooping-cough showed a further decline from the number in the two previous weeks, and were 19 below the corrected average; 7 belonged to Marylebone, 7 to Shoreditch, 10 to Poplar, and 10 to Battersea sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 12 and 6 in the two previous weeks, rose last week to 14, but were one below the corrected average.

The deaths referred to enteric fever, which had been 11 and 14 in the two preceding weeks, declined last week to 10, and were 5 below the corrected average; 2 belonged to Stepney and 2 to Lambeth sanitary areas. The fatal case of typhus was of a labourer, aged 26 years, in the Metropolitan Asylum Hospital at Deptford, to which the deceased had been admitted from 34, Vauban Street, Bermondsey. The Metropolitan Asylum Hospitals contained 82 cases of enteric fever and 3 of typhus on Saturday last; 5 cases of enteric fever were admitted during the week,

against 7 and 8 in the two preceding weeks.

The deaths primarily attributed to influenza, which had been 4, 67, and 127 in the three preceding weeks, declined last week to 105; of these, 8 belonged to Paddington, 7 to St. George, Hanover Square, 6 to Marylebone, 6 to Pancras, 5 to Hackney, 5 to Bethnal Green, 8 to Lambeth, and 9 to Wandsworth sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 843, 1069, and 1010 in the three preceding weeks, further declined last week to 736,

but were still 167 above the corrected average.

Different forms of violence caused 60 deaths, concerning all but 2 of which inquests were held. Of these 60 deaths, 5 were cases of suicide and 5 of murder or manslaughter, while the remaining 50 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 2 by burns or scalds, 2 (including one attributed to opium-smoking) by poison, 7 by drowning,

and 14 of infants aged under one year by suffocation.

The death of a male inmate of the Camberwell Union Workhouse, formerly an interpreter, whose age was stated to be 104 years, occurred on the 19th instant

from "heart disease, albumenuria."

GREATER LONDON.

In Greater London 3313 births and 2782 deaths were registered, corresponding to annual rates of 30.0 and 25.2 per 1000 of the estimated population. the Outer Ring 17 deaths from whooping-cough, 10 from diphtheria, 4 from measles, and 4 from scarlet fever, were registered. The fatal cases of whooping-cough included 5 in Tottenham, 3 in Croydon, and 3 in West Ham sub-districts. The deaths from diphtheria included 2 in Uxbridge and 2 in Willesden sub-districts. All the 4 deaths from measles occurred in West Ham, and 2 of the 4 from scarlet fever in Croydon sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenich, the mean reading of the barometer last week was 29.25 ins.; the lowest reading was 28.50 ins. on Thursday at noon, and the highest 29.60 ins. on Friday at noon. The mean temperature of the air was 42.7, and 3.3 above the average in the corresponding weeks of the 20 years ending 1868. The mean was slightly below the average on Monday, while it showed an excess on each of the other days of the week. The general direction of the wind was S.W., and the horizontal movement of the air averaged 21.2 miles per hour, which was 7.3 miles above the average in the corresponding weeks of 16 years. Rain fell on six days of the week, to the aggregate amount of 0.77 of an inch. The duration of registered bright sunshine in the week was 14.9 hours, against 16.5 hours at Glynde Place, Lewes. Glynde Place, Lewes.

. See note on first page of this Return.

		CITIES	AND BOROUGHS,	Cols.	- 28 TOWWR		London. Brighton.	PORTSMOUTH.	NORWICH.	FLYMOUTH. BRISTOL	WOLVERHAMPION.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	LINEBROOF	BOTTON	TOTALON.	MANCHESTER.	OTDEAN.	BLACKBURK.	PRESTON.	HUDDERSPIELD.	HALIFAX.	BRADFORD.	CHEBDS.	HULL.	SUNDEBLAND.	NEWCASTLE.	CARDIFF.		GLASGOW.	DUBLIK.
	FALL.		n Centi- metres.	24.	2.82		1.36	1	11.7	3.61	2.03	1	1	1.45	ı	9.74	P I			1 1	1	1	1	8	6.05	1 1	2.72	16.0	1.85	1	0000	6.45	2.39
	RAINFALL		.n Inches.	23.	1.11	1 1	0.91	1	40.0	1.45	0.80		1	0.22		20.1	00 1		1 1	1 1	1	å	1	2	2.38	1 1	40.1	98.0	0.53	ı	000	1.60	0.04
ATP		an.	.ebsrgitne	22.	4.64		6.28	1	, 00	90.9	5.33	1	1	4.12	ı	1 00.4	20 1		1	1 1	1	1	1	1	4.44	1	68.8	4.61	8.56	1		3.26	4.67
0 10 10		Mean.	·tiednstage	21.	40.9		43.3	•	44.17	6.24	98.0	1	1	39.2	ı	41.1	1 -		1			17	1	3	40.0	1 1	39.0	40.3	38.4	1	0.0	38.4	40.4
Tampac attachment		.32	nheit.	20.	29.1	1 100	35.0	ı	20.00	23.1	29.1	4	1	30.0	1	0000	0.70		ı		1 1	1	1	1	33.0	1	30.0	81.0	31.0	1		26.9	32.7
TEMPE		.186	Fahrenheit Lowe	19.	55.5		54.3	1	1 0	55.5	52.3	1	1	54.2	ı	1 8	7 00		ı	1 1	, ,	I	1	ı	53.4	1	1 2	49.0	0.19	š		6.79	54.0
Rate	nding	Deaths	From joses in .21-9 .8100	18.	1.9		1.1	1.1	0.0	0.4	2.0	2.1	8.0	0.1) H	0 6	4.1	4 1	6.0	0 -	1.1	1.0	1.7	9.0	6.0	1.7	7.6 0.4	0.0	9.1	₽.0		2.8	3.5
Annual Rate	corresponding	Week'sl	IIA mori	17.	24.5	0000	20.3	25.5	00.E	27.2	25.6	6.73	20.3	2.91	0.41	0.66	0.86	2	6.93	10 U	91.2	8.22	1.41	24.8	19.2	27.1	0.12	18:31	22.1	21.4		24.6	48.8
-	1.0	ba fass	RitreanU Tro sesus	16.	78	0	1	H	1 -	⊣ ຄວ	1	48	r-1	ı	l r	- 1	5 1		41 -	7 -	4 -	67	ာ	1	4	63 6	0 -	-	63	T.	-	23	33
i (i) e sape	,	°st u	i sattsəQ oildu¶ oitutitsal	15.	208	401	491	00 0	3 F	22	10	98	10	x 0	N 1	46	6	1 5	222	100	4	10	9	63	10	250	01	6	10	9		82 88	108
	-		isO teaupul	14.	272	97.	142	00 0	7 17	+ 00	4	13	Lo .	41 0	27 G	4 4	R I	-	12	94 95	- c	1 1	CN.	-1	ಣ	21	-1 0	0 00	20	60		۵. ۵.	11
nda		1	· jolence.	13.	129	60	3 1	20 -	- 1	9	ဘ	4		c2 t	-	1 0	2		100	20 0	ا د	-	H	1	1	Π.	- G	9 -	1 67	61		4	တ
When You amend an accompany in the Week include			.asodriai(12.	37	7	#	1	1 1	67	1	67	1	67	ı	1 1	-	4	61 6	:1	I of	0.01	i	ı	Н	ආ ₁	7	1 1	1	-	-	H 20	1
he We		-	Ferer.	11.	31	r	= '	1	1 -	1 1	1	67	1 0	23	1 :	1 6	3 1	_	c1 o	၁	1	1	67	1	1	- 0	23 0	0 1	1	1		1 10	00
ad in t		from	Whooping.	10.	145	00	22 00	22	1 =	12	Н	-	1	-		٠ ،	0 0	-	ဗ္	20 00	1 12	1	١	ı'	1	9 ,	7 0	0 1	c 1	1		20 1	10
ojetos	angra d	Deaths from	.airədtdql(9.	45	8	22 1	1	1		-	6.1	-	1	-	1 1	٠,	-	4	4	1	-	1	přil.	ı	1	တ	1 1	67	1		4 0	1
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 00 1		terriet. Fever.	00	46		01	-	1 -		1	4	1	-	1	1 9	0 -	4	10 1	٦.	- I	1	H	1	ಣ	63	90	23 1	-	1			-
1	70.01	6	·malesale	7.	50		22 1	1 r	-	1 01	67	00	1	-	1	1 5	77	1	. 1	1	1 -	- 1	1	1	1	1	23	1.1	1	1		13	70
Ē			.xoq-llsm	6.			1 1	ı	1	1	1	1	•	1	1	1	1	1	1	1	1	1 1	1	1	1	1	1	1 1		1	-	1 1	1
		ne of	ersons age 60 Years sorswqu bo	, m	1127		593	17	= :	11	11	51	15	27	o ;	14	χο c	9	56	15	15	10	9	2	16	52	\$ to	85 F	12	9		29	86
		Deat	fants under l Year of Age.	4.	875	3	386	12	9	21	က	88	14	16	9	11 8	69	70	35	50	10	GT OF	2 00	9	18	30	29	1 23	16	18		15	21
	during		90	00	4514	1101	2227	70	29	121	41	203	09	7.9	53	36	270	53	196	88	99	1 P	32	83	00	189	134	111	69	48		128	330
	Registered during	the Week ending 25th Jan., 1850.	BIRTHS, I	31	FRED	2000	2510	99	63	88	. 55	265	95	122	63	94	369	77	265	127	65	50	42	20	127	198	201	118	113	85		140	194
-		Population (to the middle of the Year 1890.*		1 1 1 1	800'0T/'A	4,421,661	142,952	95,352	78,780	83,406	461.865	154,344	244,909	100,871	105,049	613,463	115,846	879,437	242,509	146,716	123,555	94.253	82,034	240,515	863,799	832,837	186 506	162.987	117,012	-	271,185	853,082
		CITIES	AND BOROUGHB.	alogo		28 TOWNS	LONDON	BRIGHTON - PORTSMOUTH -	NORWICH .	PLYMOUTH .	WOLVERHAMPTON	BIDWINGHAM .		Nothingham .	DERBY	BIRKENHEAD .	LIVERPOOL	BOLTON	MANCHESTER .	SALFORD .		BLACKBUEN	HUDDERSFIELD -	HALIFAX .	BRADFORD	LEEDS		Sunneprant.		CARDIER		EDINBURGH.	DUBLIN .

TABLE 2. LONDON .- Births and Deaths Registered in the FOURTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.**	1890
TOTAL Births	2436	2864	2665	2670	2410	2727	2836	2579	2715	2599	2889.8	2510
Males Females .	1275 1161	1430 1434	1341	1352 1318	1224 1186	1391 1336	1419 1417	1274 1305	1382 1333	1285 1314	1458·2 1431·6	1313 1197
								-				
Total Deaths	2200	2114	1971	1548	1531	1885	1769	1585	1816	1620	1967-1	2227
Males Females .	1084 1116	1043 1071	956 1015	807 741	779 752	939 946	860 909	813 772	878 938	848 772	982·2 984·9	1192 1035

^{*} The numbers in this column are the average weekly numbers in the fourth weeks of the ten years 1880-89, | raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	-		- 1					_	And in case of the last of the	THE REAL PROPERTY.	-	Making Subsequences	-
	Nov. 2.	Nov.	Nov. 16.	Nov. 23.	Nov. 30.	Dec.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.
TOTAL Births	2623	2658	2522	2517	2321	2270	2535	2513	1815	2961	2818	2714	2510
TOTAL Deaths	1317	1350	1451	1375	1448	1683	1768	1816	1690	2371	2747	2720	2227
Ages at $ \begin{cases} 0-20 \text{ years} & -\frac{20-40}{40-60}, & -\frac{40-60}{60-80}, & -\frac{80}{80} \text{ years & upwards} \end{cases} $	599 200 209 253 56	606 181 245 265 53	667 188 254 265 77	660 176 259 222 55	647 184 266 292 59	713 196 294 392 88	719 227 312 418 .92	723 216 348 424 105	651 220 332 396 91	834 346 541 552 98	939 367 670 640 131	909 450 666 576 119	775 849 510 503 90
"" { Under 1 year - 1 - 5 - 5 - 20	323 212 64	310 209 87	343 235 89	335 233 93	333 227 87	353 265 95	375 247 97	364 261 98	326 232 93	398 310 126	430 375 134	415 344 150	386 294 95
Deaths from Small-pox Measles	22	1 20	33	33	18	41	30	35	29	36	24	24	21
", Scarlet fever - ", Diphtheria - ", Whooping-cough ", Typhus -	20 31 21	23 23 24 -	24 38 37 1	30 31 -	19 33 44 -	24 47 47 -	12 35 49	22 27 60 1	14 26 67 2	15 32 98	13 26 112 -	22 22 104	10 22 82 1
" , Enteric fever - " , SimpleContd fever " , Diarrhœa and	19	11	20	22 2 17	15 1 12	8 2	15	12	13	12	11 12	14	10
Dysentery - \{\} ,, Cholera -	-	1	-		-	-	-	-	-	_	-	-	-
,, all the above- mentioned Diseases	130	120	169	152	142	181	155	170	170	203	199	193	160
" " " Dis. of Respira- tory System	300	318	321	328	345	432	552	518	467	843	1069	1010	736
", Phthisis - ", Dis. of Circula- tory System	125 104	141	154	169	183 126	161 165	182 163	161 189	180	247	267 275	312 209	239 193
Violent Deaths Inquest Cases Deaths in Public Institutions	59 123 309	51 97 313	65 122 363	57 114 314	53 113 336	56 128 358	55 124 422	69 156 419	47 121 400	91 195 495	55 192 534	65 171 626	60 142 491
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	47·3 54·0 41·4	53.3	52.7	48.2	43.4	1 35.8	42.5		39·8 44·0 35·2	36.7	47.6 52.4 43.0	50.6	42·7 48·4 36·9
Humidity of the Air	88	90	93	94	84	85	92	94	90	97	89	86	84
Rain-fall in inches Registered Sunshine (in hours)	0.78		11.9	1	5.9		4.4		3.5	5.0	10.1	1	0.77

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield. Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak. Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esg., Newcastle-on-Tyne.

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Fourth Week of the Year 1890.

					T.	JUK	IH	77 6	ek	of the Tear 1890.			_						
	for the 10 years	S		_		k end Janu erson	ling ary 1	.890.	_		for the	Sa	turd	the ay, 2	5th J	anu	ary l	890.	
	ges i		De		ne A		19 01		_		Averages ks of the 1 1880-89.*			th	e Ag	68	- /		_
	Averages ks of the l 1880-89.*			nder		40.	. 60.	. 80.	and	CAUSES OF DEATH.	of t			nder		r 40.	r 60.	r 80.	впа
AUSES OF DEATH.	d Are	100 [63]	_	20.		under	under	under			eks 18	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		20.	-1	under	under	under	I's B
	We	AGES			0.	and u	and u	and u	Years upwards		We	AG1	,			and 1	and u	60 and	Years
	Corrected 4th Week	ALE	0-1	1-6.	5-20	20 a	40 a	60 a	ag m		Corrected 4th Week	ALL	0-1	1-6.	0-0	20 8	404	60 a	86
	1					1		-00			1 1	i	1	1				1	
ALL CAUSES	1967'1	2227	386	291	95	319	510		90	Diseases of Organs of Special Sense † }	1.2	2	-	1	1	-	_	-	_
Small- Vaccinated; -	} _{13'7} {			-	_		-	-		Diseases of Circulatory \	147.6	193	1	-	9	22	66	81	11
pox No Statement	1	П	٨	-	-	-		-	۲	System 5			_	-			-		
deasles	41.7	21	4	16	1	-	-	-		Croup	15.8	7	1	6	-	-	-	-	H
Searlet Fever	33.6	10	-	6	4	-	-	-		Bronchitis Pneumonia	372°6 117°8	468 193	62 30	69	8 1	44	116 45	163 20	24
Typhus '**	1.1	1	_	_	-	1		_		Pleurisy Other Diseases of Respi-	7.0	5	1	4		2	17	21	Ę
Relapsing Fever †	0.3	105	4	4	3	30	40	22	2	ratory System }	55.3	63	4	6	1	13	14	41	1
Influenza Whooping-cough	101.3	82	22	53	2		-	-					7.0						
Diphtheria	20.1	23	-	11	9	1	1	-		Dentition † Quinsy, Sore Throat † -	16.9	20	11	19	-	-	1	-	-
Simple Continued and)	1.6	-	-	-	-	_	-			Enteritis	8.0	10	4	2	2	1 2	2	1	-
Ill-defined Fever -)	14.2	10			_	5	4	1		Peritonitis Diseases of Liver	28.9	25	2	-	1	2	13	5	2
Enterio Fever	0.0	-	-	-	-	-	-	-		Other Diseases of Digestive System -	30.2	32	9	2	2	4	9	6	-
Cholera Diarrhœa, Dysentery -	15.4	14	7	8	-	-	1	3	-										-
Remittent Fevert	0.1	-		-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless	7.07	2				2			
Hydrophobia	0.3	-	-	-	-	-	-	-	-	Glands †	1.7	2			~ }	4			
Glanders	0.0	-	-	-	-	-	-	-	-							-	_	-	-
Cowpox and Effects of	0.0	-	-	-	-	-	-	2		Diseases of Urinary	38.5	47	1	-	-	13	17	15	1
Vaccination † > Venereal Affections -	11.8	9	9	-	-		-	-	-	System }							-		-
Erysipelas	6.9	3	1	1	1	-	-	-	-										
Pyzmia and Septiczmia †	3.2	3	2	1	-	-	-	-	-	Diseases of Generative		6	-	-		1	3	1	1
Puerperal Fever	9.5	5	-	*	-	4	1	-	2 -	Accidents of Childbirth	4.6	4	_	-	-	4			-
Other Zymotic Diseases †	1.7	-	-	-		-	-	-	-				1					١.	
	1.0		1							Diseases of Locomotive	10.6	4	-	1	1	1	-	1	-
Thrush	1.9	1 -	-	-	-	-	1	-	-				1						
Worms and other Para-	0.7	-			-	-	-	-	-	Diseases of Integumen- tary System	6.9	6	3	-	-	-	-	3	-
Starvation, Want of)	1.7								-	oury by doorn						-	-	-	-
Breast-milk †	1.7	-	1 -		1	-	-	-	-	VIOLENT DEATHS.	5	1					1		
Alcoholism	4.0	10	1-			4	4	2	-		1								
										(ACCIDENT.) Fracture and Contusion	19.4	24	-	2	2	8	5	7	-
Rheumatic Fever, Rheumatism of Heart	9.4	14	1	. 1	6	4	3	-	-	II Gunshot Wound	- 0.0	-	-	-	-	-	-	1	
Rheumatism †	8.6	4	-			. 1	2	1	-	Cut, Stab : Burn and Scald - :	11.8	2	-		1	1	-		
Gout	4'4	3	-	-	-	-	-	3	-	Poison Drowning	1.2	2 7	1 -	-	-	3	3	1	-
Rickets†	3.9	8	3	į	-	-	-	-	-	Suffocation	17.6	14	14	-	1 2	-	-	-	
Cancer	21.3	63	1:		-	- 10		25	-	Otherwise			-	-	-	-	-		
Tabes Mesenterica -	21'4	17	9			1	1	1		(Mossesser)			1			1		-	
Tubercular Meningitis -	186.7	20 239	2		3 6		1	15		(Homicide.) Murder & Manslaughter	2.0	5	3	1	-1	-			
Phthisis Scrofula, Tuberculosis -	}	209				119		_		Autuor a mansiaugiteet		-	1	-	-		-		
Other Constitutional	1	1			-1	9				(9,,,,,,)									
Diseases †		15				2 8	1			(SUICIDE.) Gunshot Wound -	- 0.3	-	-	-	-	-			
Deem share Wint	4110								1	Cut, Stab	- 1.0	3	1 -		-		3		
Premature Birth	41.2	52								Drowning	- 0.7	- 1			-	-			
Congenital Malforma-				- 1				1		Hanging	- 0.1	1	-		-		. 1		-11
tions	2	3			-	1	-					-		-			-	-	
Old Age	- 68.8	71		-	-	-	١	- 3	3 8										
Anonloss	F01F	1							3	(EXECUTION.)	- 0.0							-	
Apoplexy	- 50°7 - 7°5	43			-		3 14	$\begin{bmatrix} 1 \\ 2 \end{bmatrix}$		Lianging				-	-	-			
Convulsions	- 51.6	_	-	2	9			- 1				1							9
Other Diseases of Brain	07:0				10	a	1			OTHER CAUSES † -	- 65*8	63	50	6 4	1]		3	3
and Nervous System	1 91 9	87	1	18 1	10	6	4 1	2 0		11			1	1]	1		1	
4.00					-	.3.3	There	h - 6-	n Ab	ten years 1880-89, raised by	0.046 par	cent. f	orin	oreas	a of	2000	latio	a.	

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered actitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, conslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE E. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLES,

							m	D-		1007-4	enc. 2	m Al-	Wes	k in-	lude			
							The	DEA	THE		_		Was	K INC	orage .			
and a section a distant	Enume-			Deat	hs of		-			i	hs fro	1660		-			lie	1
REGISTRATION	Fopu-	SEL J	THS.	ler 3	ed 60 pwds			er.		-60 ag		Fover	.ior.			1 1	Publ	
SUB-DISTRICTS.	lation,	Вівтня	DEATH	under of Age.	s aged	pox.		Fev	oria.			(bi	Gon-	GB.	9	Cases	in	
		Total	Total	Infants	Persons Years	Small-pox	Mossics	Scarlet Fever.	Diphtheri	Whooping	Typpus.	Enterie (o Typhoid)	Simple e	Diarrhos	Violence	Inquest	Deaths in Institution	W
LONDON	3,815,704	2510	2227	386	593	-	21	10	22	82	1	10		14	60	142	491	ı
WEST DISTRICTS	669,688 905,947	378 555	410 482	68 78	113 130	1	2 5	2 3	8	12	- "	°1	-	2	8	31 26	93 100	ı
NORTH DISTRICTS	282,238	145	169	29	44	-	1	-	1	-1	-	-		1	6	12	54	
EAST DISTRICTS - SOUTH DISTRICTS -	692,738	509 923	424 741	87 124	100 206	-	9	3	2 4	25 81	1	3	-	8	15 20	38 35	108	
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON -	-	-	1	-	-	-	÷	-	-	-	-	-		-	-	-	1	
WEST DISTRICTS. St. Mary Paddington WHH G.J. &W.M. St. John Paddington H - G.J.	69888 87880	<i>5</i> 1 9	48	5	21 4	-	-1	-	- :	3		=	-	-	1 2	4 2	6	I
Kensington Town Ww W.M. & C.	120141 43010	55 11	56 14	13 2	16 2	=	- ;	-	1 -	4	-	-	~	-	1 -	6	6	-
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C.J.	7599 64340	5 57	2 40	11	1 8		-	- ī		1 2	-	-	-	1	ī	4	3	
helses South HHH C.	42900 30396 24925	12	22 25	11 5 8	10	-	-	1	2	-	-	1 1 1	-	1	1	3 1 1	14 8 18	
Chelsea North-east C.	32807 80353	18	13 24	2	8 15	-	-	-	1	1	- 4	-,-	-	-	-	2	14	
Belgrave WHHH C.	89220 85496	34 29	38 26	8	8 5	-		-	2	-	-	1	-	-	2	5	11	
it. Margaret Westminster H - C. it. James Westminster WHH N.R. & G.J	24679 29941	12 11 8	16 12 3	3 2	4	-	-		-	:	-		-	-		1 1. 1	5 2 1	
North Districts.	16608												-		H		1	
All Souls Marylebone HHHHH W.M. Cavendish Square HHHHH W.M. Rectory Marylebone WH G.J. & W.M.	26759 14391	11 4	24	1 3	5 1 6	-	-	-		2	-	-	-	-	3	4 - 2	14	۱
Christohurch Marylebone HH - W.M.	24809 21118 83700	12 22 18	16 14 17	3	3	-	Ç	=	:	2	=	=	-	-	-	-	4	
St. John Marylebone H W.M. Hampstead WwwHHHH N.R. & W.M	83638 45452	13 27	22 26	3	9		-	2	1	2 -	-	-	-	1 -	1	2	- 5	
egent's Park Pancras H W.M. ottenham-court wHHHH N.R.&W.M.	89115 27729	24 9	12 24	3	28		-	-	2	-	-	-	-	-	-	-	13	
Fray's Inn Lane HHH - N.R. omers Town H N.R.	80247 84369 17811	22 18 19	19 16 18	2 3	1 3 5	-	1	=	-	-	-	-	-	=	1	1	6 2	
Kentish Town W N.R.	87487 67946	55 42	42 57	8	13 14	-	1 2	-	1	1 2	-	1		-	-	-	18 7	
slington South-west HII - N.R. slington South-east - N.R.	100976 61825	64 44	S1 29	8 10	9 10	-	J	-		-	=	-	-	-	3	1 7	20	
Highbury H N.K.	52048 22781	36 15	18	4	9 5	-	-	-	-	1 -	-	-	-	-	-	-	1	
Stamford Hill E.L. West Hackney H N.R. Hackney WwwwH E.L.&N.R.	9277 87610 76911	7 18 52	6 14 45	1 7	1 14	-	-	-	3	-	-		-	-	1	2	111	
outh Hackney E.L. CENTRAL DISTRICTS.	39888	23	45 17	7	2	-	1	-	-	1	-	1	-	-	-	-	-	
t. George Bloomsbury N.R.	16681 14864	6 16	7 18	2 3	1 7	-	-	-	-	-	-	-	-	-	-	-	9	
t. Giles South WH N.R. t. Giles North N.R. t. Martin-in-the-Fields HH N.R. & C.	13837 17508	4	9	1	1	-	-	-	-		-	= .	-	=	=	1,	7	
t. Mary-le-Strand H N.R. t. Clement Danes H N.R. trand Union Workhouse, Edmonton w.	7515 8559	2 2 -	5 7	1.1.1	1 3 6	-	-		-	-	-	-	-	-	-	-	-	
Geothe-Martyr HHHHHHH N.R.	18671 10706	10	15	5	5 2	-	-	-	-	-	-	-	-	-	-	-	7 5	
affron Hill H N.R. t. James Clerkenwell N.R.	6533 17516	3 13	10	3	- 2	-	-	-	-	1 -	=	-	=		1 1	1 1	-	
mwell Clerkenwell N.R. entonville N.R. loswell-street N.R.	19281 14773 17508	15 13 9	9 4 7	1 - 8	2 1	=	-	-	-	-	-	-		1	-	= 1	-	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11541	5 19	13	5	4		1	=		-	-	-	=	-	=	1	- 2	
Vhiteeross-street N.R. iusbury - N.R. Holborn Union Workhouse, Mitcham w.	9217 7468	3 3	2 1	1	2	- 1	-	1	-	-		-	-	-	-	ī	-	
St. Botolph H N.R.&E.L.	11174 7198	6	8 2	1	4	1 1 1		-	-	-	-	-	-	-	-	1	3	
tt. Sepulchre H N.E. tt. Bride W N.R. Allhallows Barking N.R.	5858 8896	2 4	23	ī	2		-	-	1 -	-	-	-	=	-	3	4	20	
Broad Street H N.R.	18666 5652	2 -	2 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving immates from other Districts than that in which it stards see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. significant Augustion Company; W.M. West Middlesex; C. Chelses; S. Southwark and Vanxhall; L. Lambeth; N. R. New River; E.L., East London; and K., the Kent Company.

, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

			-				The	DEAT	на ге	gister	red in	the	Week	ineli	ade.			
	Enume-			Deatl	18 01				D	eaths	from						91	20
REGISTRATION BUB-DISTRICTS.	rated Popu- lation, 1881.	Total Bigrus.	Total DEATHS.	Age	Persons aged 60 Years & npwds.	Small-pox.	Measies.	Searlet Fever.	Uphtheria.	Whooping-cough,	Typhus,	Enteric (or 'ryphoid') Frver.	simple con-	Diarrnea.	Violence.	Inquest Cases.	Deaths in Publi	Uncertified Causes of Death.
EAST DISTRICTS. sell Shoreditch	7376 14967 29937 28036 46275	2 9 15 21 48	2 11 28 16 8	1 4 4 6 5	- 10 1 18	1111	1.10.0.1	1	4 1 1 1 1	1 3 3	1111		11111	1111	- 1 1 1	1 3 4 3	- 2 6 - 11	1111
al Green North H - E.L. al Green South - E.L. E.L. E.L.	51157 34399 41405	37 29 26	29 18 40	6 5 6	5 2 14		3 2 1	-	1	2	-	-		1	1 1	1 1	18	111
elds E.L. & N.R E.L. & N.R. & E.L.	22585 15473 17490 9713 6102	11 23 11 8 6	9 17 22 3 5	1 1 2 8 -	2 6 2 - 2	1 1 1 1		1	1 -	1	-	2		11111	ĩ	1	11 17 -	1
orge's North E.L. an, St. George East W - E.L.	28747 8410 10895	29 8	13	3 1 2	1 3	-	1 1	-	-	2	-	1 2 -			- - 1	1	7 3	-
ouse E.L.	16107 32041	6 22 45	7 18 10	3 2	2 2	-	-	0 0 0	9 5	1 1	- 1	ī -	-	-	2	3	-	-
and Old Town West H - E.L. and Old Town East $WwwH$ - E.L. Let $WwwH$ - E.L. and $WwwH$	67653 87074	28 41	32 20 41	9 4 8	9 5 10	-	3 -	-		3 3 2 5		-	-		1 3 1	2 6 4	21 4	1 1 2 1
r. WWH - E.L. SOUTE DISTRICTS. tehnreh Southwark WH L. & S. viour Southwark - S. 20ad - S. & L. 21-20ad HL - S. & L. 27 Newington - S. & L. atr Walworth W S. & L. atr Walworth W L. & S.	13663 14999 21381 15953 21318 26672 59555 21623	13 7 9 12 10 18 33 17	8 74 14 13 10 28 14	11 - 4 2 6 3	6 1 - 2 8 3 11 4			-		1 1 - 1 - 1 1	111111	-	-		2 1 - 4	1 2 - 1 1 5	5 - 3 - 9 - 14	2 - 2
ave WH S. & L ler Market S. & L ary Magdalen W - S. ames Bermondsey - S. rhithe WH S. & K	11956 16300 15669 54683 36024	9 10 7 36 32	18 10 16 21 25	4 2 1 1 8	2 1 5 2 8		1 -			1 2					- 1	1 2	6 - 8	
rloo-road lat H - L. & S. rloo-road 2nd H - L. & S. seth Church lat H - L. & S. seth Church 2nd W W - L. & S. ington lat S. & L. ington 2nd S. & L. on voc L. & S. ond W L.	16351 16351 19876 39859 45232 35832	17 14 10 29 82 20 43 19	7 3 25 28 23 19 29 8	2 2 2 8 4 4 1	7 10 8 4 6 1	111111	1	1	1	1 2 1	111111	1	1111111	111111	2	3111	11 14 - 1	1111
Battersea	54675 52587 36380 28004 13235 25558	49 50 13 31 10 82	33 44 16 12 11 25	7 9 1 4 4 7	5 12 8 4 4 7		1		11111	6 4 - 1 1	11111	1	11111	1	1 -	1 1 2 - 1 -	-	- 2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	71089	1 84 64 44	2 43 43 25		1 12 13 6		- 1	1 1		2 2 -		1111		- 1	1 -	3	1 -	1
aul Deptford ww K. ieholas Deptford K. nwich West H K. owich East WHH K.	7901	55 8 10 28	41 8 7 22	2	1 3	-		17.11		1	1	2 -	=	2 -	-	3	_	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	19865	19	1 8 12 11		. 4	- 1	-		-	7.7	1 1 1			1	1	-	-	-
Iton HH K wich Dockyard K wich Arsenal HH K stetead, West H K estead, East W K	17617	14 7 8	8 10 10 9 15			-	=			ī	- 1 1 1 2		-		. 1	-		
opolitan Asylum Hospitals: Outford w		-	1		- -					-			-				i	

e following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Tarylebone Infirmary in Kensington Town sub-district.

Stepney Workhouse in Bromley sub-district.

Stepney Workhouse in Bromley sub-district.

Hoston Kew Town sub-district.

Hoston Kew Town sub-district.

Whitechapel "Mile End Old Town Fastern sub-dist.

And Bromley sub-district.

Motropolitan Asylum in West Battersea sub-district.

Motropolitan Asylum in Camberwell sub-district.

Motropolitan Asylum in Sterret Hospitalism Humpstead, Hackmother and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts, and in Dartford, Edmonton, and West Ham sub-districts of Strand and Holborn Workhouses outside Registration London.

* Private Lunatic Asylums in which papers are received.

TABLE 6 .- LONDON .- OUTER RING .- AREA; POPULATION: BIRTHS and DEATHS registered during

				Wee.	k end	ing S	aturd	ay, 2	5th J	anua	ry, 18	90.					
Regis-		Area				-			The D	EATH8	regist	ered in	a the V	Week i	nelude		
ration District	:	Acres,	Enume-			Dea	ths of				Death	as from	1				
and	REGISTRATION	ding	Popu-	PHS.	DEATHS.	e. 1	1 60 Wds.		1			ngp.	1 .	1	1	2	Publio
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS	DEA	under of Age.	aged & upw	X.		Fever.	ria.	Whooping-cough		1 10		Inquest Cases,	n Pu
Num-		and Fore-	1881.			Infants Year o	sons ars	Small-pox.	Measies.	let I	Diphtheria.	opie	or.	Diarrhoa.	Violence.	lest (the i
hers.		shore.				Infa	Persons Years &	Sma	Mes	Searlet	Dipl	Who	Fever.	Diar	Viol	Ingu	Deaths in Publ
LO	DON-OUTER RING	370,924	950,957	803	555	94	147	-	4	4	10	17	1	3	17	28	58
															-		
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	6	8 -	1 -	4		-		-	-	_	-	1 -	1	2
37:1	Godstone (part of) * -	2754	1235	2	1		-	-	-	-	• 1		-	-	-	-	-
38:1	Croydon WwFHI -	20851	101241	69	44	6	11	-		2	-	3	-	1	1	8	5
20.1	Mitcham w †	11697	17932	11 .	7	2	2		-	-	_	-			-	. 2	-
39:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	15 24	11	2 1	7	-	-	-	_	_	_	_	_	1 -	8
8	Esher (part of) * -	6601	9221	5	4	1	1	-	-	-	-	-			1	1	-
40:1	Hampton H Richmond WH	4873 2272	13539 21302	9	8	4 2	8		_		-			1	_		1
2	Mortlake	2941	12331	11	5	2	2	-	-		-	1	-	-	-	1	-
41:1	Bromley (pt. of) * HH Chishrst(pt. of) * WHII	15669 14307	31142 15844	.25	13	3	4		-	-	-	-	1	-	-	-	1
42:1	Bexley H	13487	24134	13	8	_	8	-	_		_	_	_	_		_	-
2	Dartford (Ww, pts. of)*	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury to Staines W	11055	11688 12089	6	2	1	1		-	-	-	-	-	-	-		-
125:1	Hillingdon WHH -	6029	10802	5	4	_	2	_	_	_	_	_	_			_	2
2	Uxbridge	6178	ŏ225	2	4		.1	-	-	-	2	-	-	-	-	-	-
126: 1	Hayes wHL -	14587	11523	7	15	1	4	-	-	-	-	-	-	-	-	-	10
2	Isleworth WHH - Twickenham H	7008 2477	22727 12479	16	15 3	1 -	8	-	-	-	-	-	-	-	-		4
8	Brentford HL	4345	27649	18	21	5	6	-	-	-	1	-	-	-	1	1	1
8	Chiswick Acton wH	1340 6083	15975 22876	14	12 10	2 2	8	-		-	1	-			2	2	
127:1	Harrow H	13809	12796	10	5	-	2		-	-	-	-	-	-	-	-	-
2	Edgware H Willesden	6994 4383	3749 27453	2 87	4 17	1 2	2 2	-	-	-	2	-	-		1	1	- 1
4	Hendon W	8382	10484	7	5	1	2	-	-	-		-	-	-	-	-	-
137:1	Bushey	9331	6621	4	2	-	2	-	-	-	-	-	-			1	-
128 : 1	Watford (W, pt. of)* -	15599	6391	-		2	-	-	-	7	n_	-	-	-	-	-	-
2	Barnet	5433	10092	10	6	-	1 -	-	-	_	- 1	-	-	-	-	-	-
3	Finchley HL	4688	17615	15	17	-	6	-	-	-	-	-	- 1	1	-	-	8
185 : 1	Hatfield (part of) * -	8806 2020	588	-		-	-	- 1	-	-	-	-	-	-	-	-	-
2	Hornsey H Tottenham H	3039 4642	37078 46456	23 73	28 45	7	9 10	-	-	-	-	1 5	_	1	1	1,	2
3	Edmonton Ww ! -	74: 3 12653	23468	21	9	1	. 3	-	-	-	-	-	-	-		-	4
5	Enfield WH Waltham Albey	11017	19104 5368	20 6	18	2	9	-	-	-		-	-		1	1	2
6	Cheshunt	8480	7785	3	8	-	2	-	-	-	-	-	-	-	-	-	-
186:1	Stratford West Ham wwww! \$\	882 4055	38606 90347	21 127	21 59	15	1	-	4	1	1	2 3	-		1 6	1 7	- 2
8	East Ham	3298	10706	18	16	6	6	-	-	-	-	1	-	-	1	1	-
5	Leyton WwL Walthamstow H -	4372 6520	32430 28869	41 30	29 19	3 8	9 2	-	-	1	-	1	-		-	-	6
187:1	Chigwell (part of) * H	11761	9689	9	7	2	3	_	_	_	_			_	_	_	
2	Epping (W, pt. of)*		_	-	-	-	-	-	-	-	-	-	-	-1		-	-
189:1	Romford (part of) * W	6730 8493	3411 7645	1 4	8 5	-	1	-		-	1	-	-			-	-
8	Barking Town	4127	9203	11	4	9	-	-		-	-	-	-	-	-		-

^{*} The parts of sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstones district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromley sub-district, except the parish of Cadham & Knockholt (pop. 1818); 41:2, Chislehurat sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatel Sub-district; 187:1, Chiswell sub-district, except the parish of Theydon Bois (pop. 1875); 189:1, the parish of Dagenham in Romford sub-districts leaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:1, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

§ Exclusive of deaths of London residents in Metropolitan Asylum Hospital at Plaistow (see Table 5).

Metropolitan Asylum Hospital at Plaistow (see Table 5).

" On 1st January the two parishes of East Ham and Little Hord were separated from the registration sub-district of West Ham, and w constituted the registration sub-district of East Ham.

LE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 25th January, 1890.

								-		Section 1 mm			- mail plan		-	-
			ANNUA	LRATE	-		The DE	ATH8	regi	stered	l in t	he W	eek i	nolud	e	
	Area	Estimated	of Mor	TALITY living.	DEATHS	Deat	hs of			. 1	Death	s from	n			Public ions.
NEATER ONDON.	Acres, including tidal water and foreshore.	Population, middle of 1890.	TO	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhes.	Violence.	Deaths in Pu
Cols.	1.		. 3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
ER LONDON	448,334	5,758 500	25.2	1.8	2782	480	740	-	25	14	32	99	12	17	77	549
R London -	77,410	4,421,661	26.3	1.9	2227	386	593	-	21	10	22	82	11	14	60	491
er Ring -	370,924	1,336,839	21.6	1.2	555	94	147	-	4	4	10	17	1	3	17	58

The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 322 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 16,935,747 Persons.

							DE	ATHS	FROM D	PRINC	CIPAL S	ZYMOI	_
TIES.	POPULATION (enumerated or estimated).	DATE OF RETURE Week endir		BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
TTA	433,219	December	7	-	294	35.4	3	-	-	3	-	79	74†
Y.	773,196		31	316	434	24.8		2		5	5	144	43†
AB	398,777		13	343	255	33 * 2	2	2	3	5	. ?	56	31†
	2,260,945		18	1264	1493	34.3	-	10	3	20*	16	12	41
ELS	471.606		18	_	_	-	-	-		-			-
aubourgs.)	\$12,000												
RDAM -	403,083	"	11	333	362	47.1		5		4	2 3	2	_
BDAM -	197,723	- "	11	134	112	28.6	-	7	840	-	1		
LAGUE -	153,440	.,	11	94	105	35.2	_		1	9	. 3	1	1
HAGEN -	307,000	17	18	199	124	21.1	-		4	4*	2		4
HOLM -	228,218	**	11	136	92	20.9	_	17	1	12	3	ain 1	4
TIANIA -	138,30)	93	18	73	83								
rersburg	842,883	.29	4	-	521	32.3	-	7	23	6	5	16	46
N	1,489,672	9)	4	977	918	32.2	-	8	11	29	9	-6	,35
URG(State)	575,276	91	11	dend	-	-	-	-		-3	-	-	
DEN	264,196	99	11	186	201	38.8		2	-	7*		1	1
AU	315,000	93	18	- 228	206	33.8	-	-	-	5*	2	2	9
CH	281,000	29	11	266	272	47.5	-	6.	-	15*	-	1 2	21 24
ra - a	811,434	33	11	580	544	34.4	1	8	1	5	-	2	3 :
UR	304,356	37	11	-	337	57.8	3	5	3	7	5	7	19
-PESTH -	452,907	. ·	11	331	458	51'4	-	1	1	4	2	1	. 2
TH	158,084 {	39 39	11 18	84	155 158	50°3 51°3	-	3	1	4*		-	2
	407,936	November	9	250	169	21.2	1	-	-	5	= 1	8‡	16
r (11 days)-	306,398	December	31	-			-	-	-	-	-	_	- 3
D18 8EG	154,369	January	11	99	120	40.2	30	-	-	_	-	· -	
	374,838	23	2	408	407	56.7	1	-		2*	8	13	130
ANDRIA -	231,396	19	2	212	202	45°5	4	-	- I.=	1	-1	- 10	47
YORK -	1,571,300	,	4		1212	40.2	-	.7	. 11	31	12	7	19
ELYH -	834,607	»	4		471	28.8	1 -	-	2	28	5	4	5
ADRLPHIA -	1,040,245	,,,	4	-	492	24.7	1 -	-	5	17	3	24	1
IMORE .	500,343	"	4		166	17.3		6	-	7		2	1
ORLEANS -	254,000	December	7		141	29.0	-	-		-	-	1	15
	* T 1	ding dooths	£										

^{*} Including deaths from croup.
† Including 22 deaths from cholera in Calcutta, 7 in Bombay, and 3 in Madras.
‡ Including 6 deaths from malarial fever.

Table 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, January 25th, 1890. [Under the Superintendence of the Astronomer Royal.]

_		-,						-	27.	1000	rotog	,	1	ervatio							
		Ozone.		00 00	2.5	2.0	4.8	14.5	1.5	4.8	2.4	27	a; no	scussion ster, and reading aximum	duced ygro-	raphic	woled	the The	; and	to the	.25 in.
Rain	collected in a	Gauge whose receiving	surface is 5 inches above the Ground.	in. 0.32	00.0	0.15	60.0	0.18	0.02	10.0	Sum 0.77	26	The means of the	n a discu arometer mean res	are dec	photograph tal move 1875.	wo feet bentford	ins from	strong.	pplying	eek to 29 ed to 28
			Departure from Average of 16 Years.	Miles. +246	+ 42	+140	+176	+255	- 53	+419	Sum +1225	25	M. The	uced from for the borrected orrected lings of	numidity by Glai	n of the horizon ending J	th of tr	nstructions and Elections	a. moderate; s. strong; and Sunshine Instrument, show	tood as a	of the w
rs.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	374	472	209	588	281	754	Sum 3555	24	vel. and 9h. P.	application of corrections deduced from a distribution which the twenty years ending 1875 for the baronn the thermometers. With the corrected mean the corrected mean of the corrected mean the corrected mean of the readings of the mean few means delite with a farometer was a fair, with a farometer was a fair.	egree of h	discussiond that of e 16 years	d at a dep	Market, under instructions on's self-registering Electrom	kes Sunsh	o underst	beginning the 21st;
nomete		pe .	Mean of 24 hourly obs.	lbs.	8.0	1.1	1.5	1.3	1.0	3.5	:	23	sea le P.M.;	corrections of the correction	and d	rom a 1868, an for th	pende	larket,	. weak	re to l	at the
m Aner		Pressure on the Square Foot.	Least, 1	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	uce to n; 3h.	nty ye nomet ected	ature t bulk	rived facing	are sus	the M	ampp	n cay.	34in. by no
uced fro		Pressi	Great.	lbs.	8.8	00	00	9.6	3.5	13.6	:	21	to red	opplication the population of the correction of	emper nd we	ears eletric re	names a	rk of om Th	negati the C	on eac servat	rom 29
Wind as deduced from Anemometers.	Osler's.	irection.	P.M.	SW.	WSW. &SW.	SSW.	WSW. SSW.	WSW. W. &	SW. & SSE.	SW.	V.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea, no correction has been applied to the readings to reduce to sea level. Observations are usually taken at 4th A.M.; and 30th P.M. The means of the consistence and the west high thermometer and	egy-resultings or ner osnorees; use up to a papiestion of corrections deduced from a discussion converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty was ending 1883 for the thermometers. With the corrected mean reading of the diry bulb thermometer is combined the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum	and minimum intermometers, forming an energy of the part and the property of the part of t	The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the amenometric records for the 18 years ending 1875.	In Treaming Late Coultmins 2 and 20 to will be doline in mind once + indicates neglecy, and In the thermometers in the water of the Thanness 22 are suspended at a depth of two feet below the average of the average of the ierties of the Poreign Cattle Market at Dentified and	their readings are registered by the Clerk of the Market, under instructions from the opportunion of London. Opportunion of London. The record of Bleetricity is derived from Thomson's self-registering Bleetrometer. The	mbols employed are :F. positive; N. negative; w. weak; n variable. The numbers in column 29, derived from the Campbell-Stokes	the agreement autration to forgict substitute on each day. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.	The reading of the barometer decreased from 29.34 in. at the beginning of the week to 29.25 in. by 2h. A.M. on the 20th; increased to 29.50 in. by noon on the 21st; decreased to 28.88 in.
		General Direction	A.M.	SW. & WSW.	SW.& WSW.	SW.	S. & WSW.	ESE & SSW.	SW.	SW. & SSW.	SW	19	the cistern sen applied to are usually ta	mean daily venter ty years endi	nermomerer ne mean dail; daily values	emperature o Greenwich d discussion o	the average steers in the w	their readings are registered Corporation of London. The record of Electricity i	red are:—F. in column 29	the aggregate duration of oright suising The results of all the meteorological civil day, or from midnight to midnight.	f the baromet
	Woton	hames tford.	Low-	0 44.9	6.47	43.7	42.5	41.9	41.5	6.15	43.0	18	the of has be	tograp tograp e twen bulb t	mean mean	rage tade at from a	ing the	dings on of I	e. mbers	gate d	ding o
TEMPERATURE.	Of the	of the Thames at Deptford.	High.	0.94	45.6	44.2	6.24	43.4	9.54	43.1	44.1	17	he hell rection bserva	verted he pho ing th	(column 8). The from the mean	he ave	lower lower he the	ir read	symbols en v. variable. The num	aggre the resil day,	The rea
MPER			Lowest on the Grass.	33.4	28.5	0.23	31.4	0.62	27.2	40.0	80.8	16	1.00			2 to					py d
T		Of Radiation.	High- est in Sun's Rays.	0.88	8.22	52.3	0.99	0.64	67.5	26.0	63.3	15		hail at A sharp	cloud	loud till	and par	noderat	arbelion ring th	ternoon	
	Degree	of Hu- midity (Satu-		83	83	84	78	S	88	68	84	14	22	with	partially	little c Squa	the grant tr. Gus	rain; n ht.	and p	till afi	
	ature	· · ·	Least.	0.0	1.0	1.0	5.6	0.1	0.0	1.0	6.0	13	GENERAL REMARKS	in morning, wit	Fine and partially cloudy	Hoar frost in morning; fine with little cloud on; generally overcast afterwards. Squally owery in a ternoon.	showery in morning; the and parevening; rain at night. Gusty wind and 4h, P.M.	Overcast till evening, with frequent rain; moderate de in evening; fine and clear at night.	Hoar frost in morning; solar halo and parhelion torty after mon; overcast and showery during the manuer of the day.	Overeast with occasional fine rain till afternoon; snerally fine afterwards. Strong gusty wind,	
	the Air Temperature	peratur	Great-	9.4	9.01	9.2	11.1	7.1	7.1	6.1	00	12	L RE			ng; fin ist afte	y in p;; rain	with fr	ng; sol reast a	onal fil	
	the Air	Ten	Mean daily value.	0.2	4.9	9.4	₹.9	4.5	60	60	4.5	1	NERA	showery generali M.	norning	morni overez noon.	shower evening and 41	rening, fine al	morni n; ove	oceasi	
	Of the		Mean daily value.	·	33.0	84.8	88.88	89.3	\$9.4	47.4	38.1	10	GE	and 6 A.M.; g t 6h. P.	Hoar frost in morning.	rost in nerally in a ter	at and and till sh. A.M.	t till er	rost in lier noc r of the	st with	
RE.			parture from average of	0 +	- 0.3	+ 0.1	2.0 +	6.8 +	+ 3.0	6.01+	+ 3.3	6.		Squally and showery 9h, 20m. A.M.; generally shower at 6h, P.M.	Hoar frost in during the day.	Hoar frost in mornoon; generally overshowery in a termoon.	Overcast and showery in rtially cloudy till evening; rain between 8h, A.M. and 4h, P.M.	Overcast till evening, with frequent raigale in evening; fine and clear at night.	Hoar frost in mor shorty after noon; ov remainder of the day.	Overcast with occasiona generally fine afterwards.	
RATUI		ir.	Mean daily value.	0 43.4	30.00	39.4	60.5	43.5	45.4	2.09	42.2	œ	above rizon, hours.	8. 4.	2.0	 	9.8	9.8	1.00	2.8	Sum
TEMPERATU		Of the Air.	Daily Range.	0	6.01	12.0	6.9	14.1	17.0	6.4	11.5	7	red Sun ie, Ho								
			Low-	. 98.1	34.0	32.5	87.9	35.7	34.0	46.4	6.98	9	Registered Sun above Sunshine, Horizon, in hours.	2.5	4.5	1.7	0.9	1.5	0.0	0.0	Sum
			High-	50.4	6.77	44.5	44.2	49.8	0.19	54.3	48.4	15				P.M.;	v. N.	P. till after-	P.M.;	ning;	
BARO-	METER.	daily reading	rected and re- duced to 32° Fahren- heit).	in.	29.323	29.419	29.012	28.732	173.62	29.403	29.528	4	ELECTRICITY. (For explanation of symbols, see Note.)	v. N. and v. P.		s. P. till 2h. P.M.; N. and V. P. alter- ards.	v. P. generally; v. N. at times.	v. N. and v. P 4h. P.M.; m. P. a wards.	8. P. till 8h. P.M.; v. N. and v. P. effer-wards.	w. P. in morning v. P. afterwards.	
		Phases	Moon.	- Crostoat	Dec. S.	New.	:	:	:	In Equator,	:	000	Ere (For e	v. N. 8	8. P.	s. P. v. N. an wards.	v. P. g	4h. P.M.	e. P.	v. P. aft.	
			A	10		27	223	- 53	24	25 E		-		19	20	21	67	23	24	10	
	•	1890.	Monte and Day.	JANUARY.	Mon.	TUES	WED	THURS	FRI	SAT.	MEANS	No. of Col.	DATE. JANUAEY.	SUNDAY .	MONDAY .	TUESDAY .	VEDNESDAY	TRUBEDAY.	FRIDAY .	SATURDAY.	

OFFICIAL COPY.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 5. 1890. Vol. LI.]

WEEK ENDING SATURDAY, FEBRUARY 1.

[Price 11d.

General Register Office, Somerset House, 3rd February, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 22.8 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending				Weeks	ending	
Towns.	Jan.	Jan. 18.	Jan. 25.	Feb.	Towns.	Jan. 11.	Jan. 18.	Jan. 25.	Feb.
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol -	24·5 21·9 21·2 24·1 18·1 23·8	24·9 24·8 20·2 15·6	22·9 21·5 23·9 19·5 20·2 27·2	26.5	Liverpool London Manchester - Newcastle-on-Tyne Norwich Nottingham - Oldham Plymouth	32·4 33·8 28·5 19·7 19·4 24·2	25·2 32·1 28·4 27·2 20·2 14·9 14·9 21·2	26·3 26·9 22·1 15·9 16·8 23·5	21·8 29·3 25·9 21·9 14·5 21·7
Cardiff - Derby - Halifax - Huddersfield Hull - Leeds - Leicester -	27·4 19·1 23·8 24·6 29·0	17.6 21.0 18.8	15·0 24·8 17·7 27·1 27·1	17·1 19·1 23·8 23·7 24·7	Portsmouth - Preston Salford Sheffield Sunderland -	20·4 23·8 19·8 26·6 26·4	22·6 25·8 20·9 23·5	25·5 27·8 18·9 21·0 18·3	20·1 24·3 21·3 26·2 28·6

The highest annual death-rates, measured by last week's mortality, were:—from scarlet fever, 1·3 in Plymouth and 1·6 in Sheffield; and from whooping-cough, 1·3 in Salford and in Brighton, 1·6 in Derby, 2·7 in Bolton, and 3·4 in Bristol. In none of the twenty-eight towns did the death-rate from measles or from "fever" reach 1·0 per 1000. The 46 deaths from diphtheria in these towns included 24 in London, 7 in Manchester, 4 in Salford, 2 in Norwich, and 2 in Leeds. No death from small-pox was registered in any of the twenty-eight great towns.

LONDON.

In London 2699 births and 1849 deaths were registered. Allowing for increase of population, the births were 283, and the deaths 211, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 32·4, 32·1, and 26·3 in the three preceding weeks, further declined last week to 21·8. During the first five weeks of the current quarter the death-rate averaged 28·1 per 1000, and was 4·7 above the mean rate in the corresponding periods of the ten years 1880–89; the mean death-rate during the same period in the twenty-seven provincial towns was 23·6 per 1000.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

The 1849 deaths included 11 from measles, 14 from scarlet fever, 24 from diphtheria, 67 from whooping-cough, 9 from enteric fever, 9 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 134 deaths were referred to these diseases, being 116 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 14; only 3 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and 1 in the Highgate Small-pox Hospital. The fatal cases of measles, which had declined in the four preceding weeks from 36 to 21, further fell last week to 11, and were 28 below the corrected average; 3 belonged to St. Luke sanitary area. The 14 deaths from scarlet fever exceeded the low number in the previous week by 4, but were 17 below the corrected average; 3 belonged to Newington and 2 to Camberwell sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1347 scarlet fever patients at the end of the week, against numbers declining on the five preceding Saturdays from 1609 to 1372; 99 cases were admitted to these hospitals during the week, against 77 and 91 in the two previous weeks. The deaths from diphtheria, which had been 22 in each of the two preceding weeks, rose last week to 24, and exceeded the corrected average by 3; 2 belonged to Kensington, 2 (cases admitted to hospital from Chesson Road) to Fulham, 2 to Hackney, 2 to Whitechapel, 3 to Poplar, 2 to Lambeth, and 2 to Camberwell sanitary areas. The 67 fatal cases of whoopingcough showed a further decline from recent weekly numbers, and were 44 below the corrected average; 6 belonged to Hackney, 4 to Poplar, 4 to Lambeth, 4 to Battersea, and 9 to Camberwell sanitary areas. The deaths attributed to diarrhæa and dysentery, which had been 6 and 14 in the two previous weeks, declined again last week to 9, and were 6 below the corrected average.

The deaths referred to enteric fever, which had been 14 and 10 in the two preceding weeks, further declined last week to 9, and were 7 below the corrected average; 2 belonged to Islington and 2 to Hackney sanitary areas. The Metropolitan Asylum Hospitals contained 77 cases of enteric fever and 3 of typhus on Saturday last; 5 cases of enteric fever were admitted during the week, against 8

and 5 in the two preceding weeks.

The deaths primarily attributed to *influenza*, which had been 4, 67, 127, and 105 in the four preceding weeks, further declined last week to 75; of these, 7 belonged to Paddington, 7 to Kensington, 4 to Pancras, 4 to Lambeth, and 8 to Camberwell sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 1069, 1010, and 736 in the three preceding weeks, further declined last week to 550, and

were 80 below the corrected average.

Different forms of violence caused 62 deaths, concerning all but 3 of which inquests were held. Of these 62 deaths, 10 were cases of suicide, and 3 of murder or manslaughter, while the remaining 49 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 5 by burns or scalds, 2 (including one of a white-lead worker from lead-poisoning) by poison, 4 by drowning, and 15 (including 14 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3497 births and 2311 deaths were registered, corresponding to annual rates of 31.7 and 20.9 per 1000 of the estimated population. In the Outer Ring 24 deaths from whooping-cough, 9 from diphtheria, 4 from measles, and 4 from "fever" were registered. The fatal cases of whooping-cough included 7 in Croydon and 7 in West Ham sub-districts. Two deaths from measles occurred in Willesden, 2 from diphtheria in West Ham, and 2 from "fever," both in Tottenham and in Leyton sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.94 ins.; the lowest reading was 29.50 ins. at the beginning of the week and on Tuesday at noon, and the highest 30.27 ins. on Wednesday evening. The mean temperature of the air was 42°.9, and 2°.7 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Wednesday, but showed an excess on each of the other days of the week. The direction of the wind was variable. Rain fell on six days of the week, to the aggregate amount of 0.73 of an inch. The duration of registered bright sunshine in the week was 8.9 hours, against 5.5 hours at Glynde Place, Lewes.

· See note on first wage of this Return.

		_			_	_					-		_			_	_	_	-	-	-	_				_		_	-		-1
		CITIES	AND BOROUGHS,	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	BIRKENHUAL	LIVERPOOL.	Borton.	MANCHESTER.	SALFORD.	BLACKBURK.	PRESTON.	HUDDERSFIELD.	BRADRORD	LEEDS.	SHEFFIRID.	HULL	NUNDERLAND.	CARDINE.	and the state of t	EDINBURGH.	DUBLIE.	
	ALL.		In Centi-	24.	2.67	1.85	2.97		3.66	2.77	8	1	3.76		2.16	1	à	• 1	1 1	1	1 1	9.00	3	3	2.18	1 0		des C o par	1.07	2.49	
	RAINFALL		.modonI nl	23.	1.05	0.73	1.11	1	1.44	1.09	1	1	1.48	,	0.85	1	4	2	1 1	ı	1 1	1.99	2	1	98.0	1 3	1 40		0.42	86.0	ı
390.	AIR.	in.	.ebsrgitneU	22.	5.56	90.9	6.52	,	7-44	90.7	. 1	ī	5.39		6.48	,	*,	8	1 4	1	1 1	K.44	,	1	4.89	1 :	11.0	T T T	2.12	5.39	
ry, 18	OF THE	Mean.	·tiednerda	21.	42.0	6.25	43.2	1	45.4	39.3	1	3	41.7	1 1	42.4	1	1	,	1 1	I.	1 1	41.8	1	I.	8.05	1 0	2 1	0.1.	£1.5	41.7	
eprus	TEMPERATURE OF THE AIR.		E TOWER	20.	22.4	83.0	34.3	1	33.5	25.7	1	,	31.5	. 1	32.4	,	1	1	1 1		, ,	4.66	,	ì	59.0	1 00	0.00	-	30.1	28.7	
s 1st I	RMPER	.31	Higher Higher	19.	54.5		0.09	1		52.4 52.4			54.5		49.8	1	1	ě .	1 1	1	1 1	80		1	0.99		0.20	1	2.19	F.19	۱
ending		eaths	From Diseases in Cols. 6-12.	18.	1.8		1.3	9.1	65 4 65 4		2.3		D. 2	0.1		4.1	8.00	9.0	- 63	0.0	1.1			2.3	-	-	0.4 0.4	-	0.6	00	-
Veek	Annual Rate per 1006,	to the	From All Causes.	17.	8.23	8.13	24.5	6.17	28.2	28.1	26.2	6.61	0.41	18.4	8.73	20.2	29.3	0.17	0.46	24.3	23.8	8.66	24.1	2.93	23.7	28.6	19.5		25.20	43.2	
the V	- 1	.018	efitreenU e(Tio seensU	16.	08	15	1	1	1 1/) I	00		c3	1 -	, H	1	90	4 r	4 67	_	4 7 or	_		1		_	स ।	-	88		
uring		•8	Deaths in Public and International Contraction Internation Interna	15.	837	470	8 II	63	12	F 90	24	12	D 10	1	45	63	525	43	1 10	6	44 60	, 0	17	19	14	נ פים	er e		19	97	
b, an			BasU dasupal	14.	262	127	1 73	-	တ Վ	B 1	15	9	30 G	1 61	17	7	16		H 8	63	00 0	1 1/	11	7	₹.	L- (o 4	1	a. a	٠	
TOW	lude		Vlolence.	13.	134	62	1 4	1	61 2		00	ed (9 r	4 1	14	н	.63		1 10	97	67 -	1 0	1 4	4	e3 ·	41	e 0	-	ကပ	တက	
REEAT	Week include		Diarrhese	12.	53	6	1 1	ı	1 0	4 1	03	-		4 1	67		4	-	1 00	1 1	1 1			1	.1	-	1 1	~	н,	4 01	-
28 G	the W		F.6761.	11	29	6	1 1	1	1 1	1	6.2	1 0	1 12	1	1	1	20	H 1	1 1	1	-	1	67	9	1	8 1	ci I		63 4	4 10	_
or in	The DEATHS registered in the	from	Whooping-	10.	133	13	es e4	ı	- 1	2 11	67	1	න _අ	3 1	6	9	.00	9 0	27.	4 1	1 1		4	-	03	1	1 =		9 1	0	_
OTO	egister	Deaths from	Diphtheria.	9.	46	4.2	1 -	63	H		1	1,	1	8 1	1	1.	-1	4	1 1	1	-		67	7	1	1	H 1		9 6	23 03	
TEOF	THE		Scarlet. Fever.	00	58	14	1 1	-	63 6	a . t	9	લ	1 1	-	4 00	ল	4	4	1 1	1	1 1	-	00	10	61	67	1 1		1 0	m ⊣	
d ME	10 DE		Messics.	7.	33	11	1 1	1	-	1 1	L.	1	1	l -	4 6	1	н.	1	1 1	1	1 . 1		- 1	1	Н.	~	1,1	1_	6	» н	
s, an	T		.xoq-flam8	6.	1	1	3 i	1	1	1 3	1		1	1	1 1	1		1	l.	1 1	ı	ı	1 1	- 1	1		1 1	1	1	1 1	
DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 1st February, 1890		le of	Persons aged 60 Years and upwards.	5.	1078	495	222	11	11	922	64	16	18	OT O	0 22	60	49	53	17	13	9 1		90	55	22	03	17		37	85	Ì
H8,		Deaths	nfants under I Year of Age.	4.	833	350	r- r-	- =	F	2023	27	18	16	3 00	200	15	43	22	17	12	6,	a (207	.23	23	17	17		23	43 43	
-Bir	luring	Buling	1 9	*5	4246	1849	00 15 10 10	\$ 04	45	87	235	59	89	67	268	46	213	63	61	49	43	00 20	172	167	26	12	43		131	294	I
TABLE 1BIRT	Registered during	the Week ending	BIRTHS, DEAT	23	8009	6696	73	120	22	128 63	108	888	109	6.4	357	62	F63	114	7.0	7.9	34	7 6	227	213	135	80	142		147	194	
TA	Re	_	1 ==	-					_	on 50	NG.	47	6	c		9	1-	6	9 0	9.52	9 7	# 1	9 09	37	 	90	5 67	-	20 9	20 03	1
		POPULATION	to the middle of the Year 1850.*	1.	9,715,559	4.421.661	123,659	142,952	78,780	232 248	461.865	154,844	244,909	100,871	105,049	115,816	279,437	242,509	146,716	1(5,163	24,253	62,04	240,516	3 12,537	113,833	156,506	162,967		271.155	353,082	١
	-	2		Cols.		•	•		•	· NO	•	•	٠	•		١	•	•			•			•	٠	•		-	٠		1
		н	H8.	3	8			HI.		TAMA	MA		MA	٠	GAD.		EB	•	•	· ·	PIELL	•		. q	•	AND	I.B.		GH .	• •	
		C A C C C C C C C C C C C C C C C C C C	AND BOROUGHS.		28 TOWNS	Modera	BRIGHTON	PORTREOUTH	LYMOUTH	FRISTOL	MANDALINA	I RICESTER	NOTTINGHAM	DERBY .	RIBKENBEAD	OLTON -	MAKCHESTER	SALFORD	OLDHAM	BLACKBURN	HULDERBRIELD	HALIFAX	ERADFORD		HOLL .	SUNDERLAND	NEWCASTLE CARDIFF		PIDINBURGH	DUBLIN .	1000

TABLE 2. LONDON.—Births and Deaths Registered in the FIFTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2684	2925	2775	2750	2587	2806	2800	2665	2689	2662	2931·5	2699
	1360	1467	1388	1375	1306	1414	1438	1339	1371	1327	1503·2	1355
	1324	1458	1387	1375	1281	1392	1362	1326	1317	1335	1478·3	1344
Total Deaths Males Females .	3376	1926	2023	1643	1595	1592	1783	1485	1894	1572	2059·8	1849
	1605	986	988	822	826	812	877	734	958	796	1025·5	965
	1771	940	1035	821	769	780	906	751	936	776	1034·3	884

[•] The numbers in this column are the average weekly numbers in the fifth weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LONDON:-D			-		-					-			-
	Nov.	Nov. 16.	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan.	Jan,	Jan. 18.	Jan. 25.	Feb.
TOTAL Births	2658	2522	2517	2321	2270	2535	2513	1815	2961	2818	2714	2510	2699
TOTAL Deaths	1350	1451	1375	1448	1683	1768	1816	1690	2371	2747	2720	2227	1849
Ages at { 0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & upwards }	606 181 245 265 53	667 188 254 265 77	660 176 259 222 55	647 184 266 292 59	713 196 294 392 88	719 227 312 418 92	723 216 348 424 105	651 220 332 396 91	834 346 541 552 98	939 367 670 640 131	909 450 666 576 119	775 349 510 503 90	703 282 369 390 105
"" { Under 1 year - 1-5 5-20	310 209 87	343 235 89	385 233 93	333 227 87	353 265 95	375 247 97	364 261 98	326 232 93	398 310 126	430 375 134	415 344 150	386 294 95	350 250 103
Deaths from Small-pox " Measles - Scarlet fever " Diphtheria - Whooping-cough " Typhus - Enteric fever " Enteric fever " Diarrhœa and Dysentery " Cholera - " " all the above-mentioned Diseases	1 20 23 23 24 - 11 - 17 1 120	- 33 24 38 37 1 20 - 16 -	33 17 30 31 - 22 2 17 -	18 19 33 44 - 15 1 12 -	41 24 47 47 47 - 8 2 12 -	30 12 85 49 - 15 - 14 -	35 22 27 60 1 12 - 13 -	29 14 26 67 2 13 - 19 170	36 15 32 98 - 12 - 10 -	24 13 26 112 - 11 1 12 -	24 22 22 22 104 - 14 1 6 -	21 10 22 82 1 10 14 -	11 14 24 67 - 9 - 134
", Dis. of Respira- tory System Phthisis - ", Dis. of Circula- tery System	318 141 122	321 154 121	328 169 113	345 183 126	432 161 165	552 182 163	518 161 189	180 158	843 247 222	1069 267 275	1010 312 209	736 239 193	550 220 116
Violent Deaths Inquest Cases - Deaths in Public Institutions	51 97 313	65 122 363	57 114 314	53 113 336	56 128 358	55 124 422	69 156 419	47 121 400	91 195 494	55 192 534	65 171 626	60 142 491	62 127 470
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	47·3 53·3 40·8	46.8 52.7 41.0	44.9 48.2 41.3	37.6 43.4 32.0	32·1 35·8 27·8	38·1 42·5 31·9	43.5 47.3 38.1	39.8 44.0 35.2	32·8 36·7 28·5	47.6 52.4 43.0	45.5 50.6 39.4	42.7 48.4 36.9	42·9 48·3 38·2
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	90 0·26 3·9	93 0·01 11·9	94 0·13 0·0	84 0·32 5·9	85 0·28 8·4	92 0·23 4·4	94 0·33 2·1	90 0·61 3·2	97 0·11 5·0	89 0·40 10·1	86 0·13 7·3	84 0·77 14·9	90 0·73 8·9

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and R. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the

						FIF	TH	W	eek	of the Year 1890.									
	years	. 9	In	the							for the	9	latur	n the	Wa.	ek er ebru	ading	890.	
	30		De	aths	of P		as of				44		De	aths	of P	erson	as of	- 1	_
MUSES OF DEATH.	ted Averages Veeks of the 1 1880-89.*	AGES.		Inder 20.		under 40.	under 60,	under 80,	irs and	CAUSES OF DEATH.	weeks of the 10	AGES.	T	nder 20.		under 40.	under 60.		rs and
£ .	Corrected 5th Week	ALL AG	0-1.	1-6.	5-20.	20 and u	40 8nd	60 and o	ned Year		Corrected 5th Wee	ALL AG	0-1.	1-5.	6-20.	20 and v	40 and u	and	80 Years unwards
ALL CAUSES	2059*8	1849	350	250	103	282	3 69	390	105	Diseases of Organs of Special Sense†}	2.1	2	-	1	-	1	-	-	-
Small- pox Vaccinated; - Unvaccinated No Statement	}13.8	-	1 1 1		1 1 1		1.1.1		-	Diseases of Circulatory System	146.6	116	2	-	7	18	33	48	8
Measles Scarlet Fever	33·4 31·3	11 14	1	9	1 3	1.1.1	1, 1,	-	-	Croup Bronchitis	13.8 426.6 128.0	12 339 145	1 55 22	8 48 36	3 5 9	17 26	77 30	116 18	21
Typhus Relapsing Fever † Influenza	0.3 0.3	75	3	- 4	4	18	30	15	1	Pneumonia Pleurisy - Other Diseases of Respiratory System }	6.2	50	12	5	1	8	9	13	2
Whooping-cough Diphtheria Simple Continued and	111·0 21·3 1·9	67 24	23	43 16	7	-	-	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	14.6 2.8 6.7	20 1 8	8 - 2	12 1 1	- 2	- 2	- 1		-
Ill-defined Fever Enteric Fever Cholera	15.2	9	Ē	1 -	4	3	1	-	-	Peritonitis Diseases of Liver Other Diseases of Digestive System - }	8'3 28'1 30'4	9 22 24	2 1 5	1	1 1	2 2 3 4	1 9 7	7 6	- 1 -
Diarrhea, Dysentery - Remittent Fever† - Hydrophobia -	0'4 0'0	9	4	1	1	-	-	3	-	Diseases of Lymphatic) System & of Ductless	2.0	4	1	-	-	2	1	_	-
Glanders Cowpox and Effects of Vaccination †	0.0 0.0	-	1		-	-	-		-	Diseases of Urinary	42.0	40	1	1	4	5	12	13	4
Venereal Affections - Erysipelas Pyæmia and Septicæmia †	3.8 2.8	7 5 2	6 1 1			1 1	1	1 2 1	1	Diseases of Generative	5.9	7		_		4	1	2	_
Puerperal Fever Other Zymotic Diseases †	8.0	2	-		-	2	1	-	-	Accidents of Childbirth	4.8	4		-	-	3	1	-	-
Thrush Worms and other Para-	2.1	1	1	1 1			-	-	-	Diseases of Locomotive System † } Diseases of Integumen - \	7*8	5	1		4	_	_	_	-
Starvation, Want of Breast-milk †}	1.6	1	1			-	-		_	tary System}	5.7	8	2	1	1	_	2	2	_
Alcoholism	3.8	13	-	-	-	3	10	-	-	(Accident.)	22.5	19	1	1	3	4	3	3	4
Rheumatic Fever, Rheumatism of Heart† Rheumatism † -	3.5	4	-		2	1 1	1	1	-	Fracture and Contusion Gunshot Wound Cut, Stab Burn and Scald Poison	0·1 0·2 9·4 1·1	- 5	1	2	5 1 1 1	1	2	1	X 1 1 1 X
Gout Cancer	2°0 53°8	2 66	2	1	- 1 -	-6	28	29	- - 2	Drowning Suffocation Otherwise	5·1 15·2 2·7	2 4 15 4	14	1 1	1	1 2	ī		1 3 1
Tabes Mesenterica - Tubercular Meningitis - Phthisis	23.0 28.1 191.5	19 22 220	15 4 1	3 11 5	1 7 15	122	59	- 17	1	(Homicide.) Murder & Manslaughter	2.4	3	8	_	-	-	-	-	-
Other Constitutional Diseases † }	9.4	20 15	1	ъ -	2	2	3	1 4	1	(Suicide.) Gunshot Wound	1.1		-			_	_		
Premature Birth Ateleotasis †	40.5	43	43	-		-	7 - 7	-	-	Cut, Stab Poison Drowning Hanging	1.7 1.1 1.0 1.3	2 - 2 4	11111	1111	1111	1 - 1 1	1 3 1	1	1111
Congenital Malforma-} tions	8·6 75·0	5 69	5 -	-	-	-		32	37	Otherwise	0.8	2	-	-	-	1	1	_	othe
Apoplexy Epilepsy	48°3 7°6	43	1 -	1	1,	- 2	15	21	9	(EXECUTION.) Hanging	0.0	-	-	-		-	-	-	-
Convulsions Other Diseases of Brain and Nervous System	108.5	50 86	46 9	9	1 2	10	19	29	8	OTHER CAUSES †	67°1	43	40	6	-	-		1	1
		-	_	-	-		-					-	-	-				_	The second of

^{*} The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9°046 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

‡ These cases of small-pox only are returned as "vaccinated." or as "unraccinated." which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

‡ The ovidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manglaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIETHS; DEATHS from ALL CAUSES, and from Small-pox, Measles, Scarler during the Week ending

													duri	ng t	he V	Veel	c end	ling
							The	DEA	THS	rogist	ered	in the	Wee	kine	lude			
	Enume-			Dea	ths of					Deat	hs fr	om				1	1.	1.
REGISTRATION	rated Fopu-	IB.	H.C.	11.0	09 p		ŀ	1 :	1	ugb.		Fever.	ır.		1		Publi	Causes
SUB-DISTRICTS.	lation, 1881.	Вівтия	DEATE	ts under	aged	. X 00		Fever.	ria.	ng-e		(Or d) F(Feve	Ba.	6	Case		
	10021	Total 1	Total	Infants Year	Persons Years	Small-pox.	Measles	Scarlet	Diphtheria	hooping-cough	Typhus	Enterie (o Typhoid)	Simple con-	Diarrhea	Violence	Inquest Cases	Deaths in Instituti	Uncertified
MATERIAL AND				I I	Pe	- S2	K	- S.	<u>n</u>	*	E	E G	Sir	Di	Vi	1	O T	Co
LONDON	3,815,704	2699	1849	350	495		11	14	24	67	-	9		9	62	127	470	15
West Districts	669,638 905,947	380	353 414	45	108 126	-	2	2 4	5	13	-	-		3	18	25 34	123	2
NORTH DISTRICTS	282,288	576 177	130	74 17	27	-	3	-	2	1.	-	3	-	~	5	8	99 27	1
EAST DISTRICTS	692,788	541 1025	325 625	69 145	74 160	-	3	6	6	14 27	-	1	-	3	10 16	80 30	96	3 9
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON -		•	. 2					2	-		-	-	-	-	-		2	-
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M.	69888	50	85	4	12	-	-	_	1	3	-	_	-		-	2	8	
St. John Paddington WHH G.S. a W.J. St. John Paddington H - G.J. Kensington Town Ww W.M.	37330 120141	7	19 87	14	5 29	-	-	-	1	1	-	-	-	1	3 1	3 1	11 48	-
Brompton H W.M. & C.	43010 7599	18	16	2	4	1	-	-	-	-	-	-	-	-	1 10	1 -	2	-
St. Paul Hammersmith H W.M. 80.80 Fulham Www - W.M. 2 C	64340 42900 30396	53 63	30 29 13	5	12 8	1 1 1	î	2	-	.3	-	-	-	-	2 1 2	3 5	3	-
Chelsea North-west WHHHHH C. C. C.	24925 32807	15 20 30	20 11	1	3 7 1	-	=	Ξ	- 1	2	-	=	-	-	1 -	1 -	14	1 -
May Fair WW G.J. Relgrave WHHH C.	80353 59220	9 26	19 28	3 3 4	11 5	-	1	-	3	1 2		-	-	1 -	2	3	11 13	ī
St. John Westminster HHH - C. St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J	35496 24679 29941	7	12 13 11	2	3 3	-	-	-	-	1		=	-	-	1	1	6 2	-
St. Anne Soho HHHHHHHH - NR.	16608	8	9	1	2	-	-	-	-	-	-	-	-	1	-	-	ĩ	-
A LOCAL DE CONTRACTO TESTERON TO ME MA	26759 14891	10	6	2	2	-	-	-	-	1	1	= 1	-	-	1	1	3	-
All Souls Maryleoone Hither W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone H.J. & W.M. Christehurch Marylebone H W.M. St. John Marylebone H W.M.	24809 21118 33700	8 27 18	18 11 7	2 2 3 4	3 3	-	-	-	-	2	-	=	-	-	ī	1	ŏ -	-
St. John Marylebone H W.M. Hampstead WwwIIHHH N.R. & W.M.	3363 3 45452	16 35	17 18	6	5 5	-	-	1	-	-	7	1	-	-	1	2	4	-
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M.	89115 27729	12	13 16	1 1 3	3 4	-	-	-	1	-	-	-		-	2	8 2	11	-
Gray's Ing Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R.	80247 84369 17811	24 25 14	7 17 25	3	3 9	-	1	-	-	-	-	-	-	-	1 2	1 1 2	2 1 18	-
Kentish Town W N.R.	87487 67946 100976	56	42 56	6 9 7	14 19 13	-		-	-	1	-	-	-	1	2	8	8 28	-
Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R.	61895 52048	58 36 26	57 22 12	6 2	6 2	-	-	-	= }	1	-	1	-	-	4	7 1 1	- - 1	-
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	11 5	10	1	3 6	-	-	-	-	ī	-	-	-	-	ī	ī	-	-
West Hackney H $\overline{N.R.}$ Hackney $WwwH$ $E.L.\&N.R.$ South Hackney $E.L.$	37610 76911 39883	25 61 42	12 50 14	3 5 4	16 1	-	1	3	3	3 2	=	2	-	-	1 2	3	20	-
CENTRAL DISTRICTS. St. George Bloomsbury N.R.	16681	8	5	2	1	-	_	-										
St. Giles South WH N.R. St. Giles North N.R.	14864 13837	11 4	6 3	-	2 -	-	-	-	-	-	-	-	-	=	-	-	1	111
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	17508 7515 8559	8 3	6 1 11	1	2 -	-	- 1	-	ī	-	-	-	-	-		-	4	-
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R.	18671	14	16	3	1 3	-	-	-	-		-	- 1	-	-	1	1 1	5 1 5	-
St. Andrew Eastern W - N.R. Saffron Hill H - N.R. St. James Clerkenwell - N.R.	10706 6583 17516	7 4 18	6	- 2	1 - 1	-	-	-	-	-	-	-	-		1 -	-	3 1 1	-
Amwell Clerkenwell N.R. Pentonville N.R. Goswell-street N.R.	19281 14773 17506	11 12 18	6 5 11	- 2	1 2 4		-	-	-	-	-	-	-	-	-	1 1	= 1	-
Old-street H N.R. City-road HHL N.R. Whiteeross-street N.R.	11541 18628 9217	23	5 17	3	2	-	2	-	1	-	-	1 1	- 1	-	-	1 1	3	- 1
Holborn Union Workhouse, Mitcham, w.	7468	6	1	1 -	ī	-	-	-	-	1	-	-	-	-	-	-	_	-
St. Botolph H N.R. & E. L. Cripplegate N.R. St. Sepulchre H N.R.	11174 7193	8 5	4	1	8	-	-	-	-	-	-	-		-	-	-	1	-
St. Bride W N.R. Allhallows Barking N.R.	5358 8396 18666	1	8 3 5	1	1 1	-	-	-	-	-	-	-	-		1	1	7	
Broad Street H N.R.	5652	1	3		1	- 1	-	-	- 1	- 1	-	-	-	-	-	1	-	-

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; B—Hospital; L—Lunatic Asylum; w—A Workhouse Establishment receiving immates from other Districts than that in which used see note at the foot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts:—G.J. signification Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vannhall; L. Lambeth; N. R. New River; E.L., East London; and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHEA, VIOLENCE, &c., registered in each Sue-district

							The	DEA	THE	regist	ered i	n the	Wee	k ine	lude			
	Enume-			Deat	hs of	_		_		Death	s fron						0	98
REGISTRATION SUB-DISTRICTS.	Population, 1881.	Total Bining.	Total DEATHS.	Infants under Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever.	simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
EAST DISTRICTS. well Shoreditch - N.R. & E.L. eonard Shoreditch HL* - N.R. on New Town w N.R. on Old Town N.R. eyeston WH N.R. & E.L.	7376 14967 29937 28036 46275	4 7 24 25 31	3 4 18 7 33	2 2 1 4	- 1 9 2 6	11111	-	11111	- - - 1	2	11111	11111	1111	11111	1	ī	7	
nal Green North H - $E.L$. nal Green South $E.L$. nal Green East WHL^* - $E.L$.	51157 34899 41405	47 31 26	18 9 24	5 3 2	4 - 10		1		1 1 3	1 2 -			111	1.1.1	1	1 2 1	14	
	22585 15473 17490 9713 6102	15 20 12 2 5	15 23 - 3	3 2 5	4 4 - 1	111111	1111	11111	1	1				1	1111	1	1 10 13 -	
eorge's, North E.L. ohn, St. George East W - E.L. well H E.L. & N.R.	38747 8410 10895	27 7 3	12 8 7	3 1 8	1 3	1 1 1	1 1 1	1 1 1	1 1 1	ī -	-	-	-	1 1 1	-	1 -	5	-
house E.L.	16107 82041 37960	8 27 23	7 13 9	2 4 1	2	~	1 1 1	-	1 1 1	ī 1	-	ī -		î -	1 -	1 2 3		1
End Old Town West H - E.L. End Old Town East $WwwH$ - E.L. L^* E.L. ar WWH E.L.	67653 87074 64359 55077	64 27 60 46	38 18 33 19	9 58 9	8 9 9	-	1	11 111	1 - 3	8			1 1 1	1 1 1 1	1 3 1	1 6 7	7 2 19	1
* South Districts. stchurch Southwark ##	18668 14999 21581 15958 21818 26672 59555 21623	10 7 14 18 20 22 52 52 26	6 13 5 15 12 10 40	1 5 1 2 2 4 12	3 1 2 - 2 9	11111111	1 1 1 8 1 1 1		111111	2 -	1111111	111111		1	1111111	2 1 1	1 - 3 1 - 6 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
lave WH S. & L. her Market S. & L. (ary Magdalen W S. arms Bermondaey - S. erhithe WH S. & K.	11956 16300 15669 54682 36024	9 8 17 38 19	18 4 8 14 16	- 4 1 1	6 1 1 1 7	11111	11111	11111	1	1111			11111	11111	5 - - -	1 -	15	1 1 1 4
rloo-road lst # L. & S. erloo-road 2nd # L. & S. beth Church 1st # - L. & S. beth Church 2nd # W - L. & S. ington 1st S. & L. ington 2nd S. & L. tood # W L. & S.	15195 16351 19876 39859 45282 35832 62837 19017	16 20 18 33 36 30 44 14	1 9 19 22 23 22 16 10	2 3 8 2 2 1	3 12 6 11 6 2	11111111	1111111	1111111	2	1 3 -	11111111	1111111		1111111	1	3	12 16 1 -	1
Battersea — - S. Battersea WwH S. Battersea WwH S. deworth WHL - S. ey S. tham L.	54675 52587 36380 28004 13235 25553	63 42 23 28 9 29	17 31 28 23 7 14	6 10 9 3 2 4	4 7 7 13 1 6		111111	11111	1	1 1	11111	11111	111111	111111	1 2 1 1 2	2 1 3 2 1 2	9 -	1
tich - L, & S. & L. ham W S. & L. ham W S. & K. eorge Camberwell - L, & S.	5590 59104 71089 50810	48 58 41	33 38 21	7 13 7	1 10 6 4	1111	111	1111	1	1 7 1		1 1 1 1	1111	ī 1	2 -	2 - 1	14 2 -	
aul Deptford www 'K. icholas Deptford K. nwich West H K. owich East WHH K.	76752 7901 21972 24608	54 5 13 16	28 2 10 14	7 - 3 2	6 1 4 2		1111	5 -	1 - 1 - 1	1 - 1	1111	1111	1111	1111		2	5 - 7	1
m H K, H K, sham WH K, chiam H L.	5048 21559 19865 26076	5 15 16 15	1 2 11 15	1 5 6	1 - 3 2			1111	1 -			1111	1111	- 1	1111		- 4 2	
ton HII K. wich Dockyard K. wich Arsenal HH K. stead, West H K. stead, East W K.	10930 17617 19048 14009 19241	13 11 14 32	2 5 1 4 26	1 - 5	1 1 2 3			11111		1 - 1		11111	11111	1 1 1 1 1	1 - -	1		4.4.4.4.4
opolitan Asylum Hospitals: artford w Vinchmore Hill w	_	-	- 2	-	-	-	-	- 2	-	-	-	1 1		-	-	-	2	-

ie following WORRHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottenham Court sub-district.
Holborn infirmary in Upper Holloway sub-district.
In Upper Holloway sub-district.

" Hacken New Town sub-district.

" Mile End Old Town Eastern sub-district.

" Mile End Old Town Eastern sub-district.

" And Bromley sub-district.

" And Bromley sub-district.

" And Bromley sub-district.

" And Bromley sub-district.

Stepney Workhouse in Bromley sub-district.

Poolar & Stepney Sick Asylum
Westmuster Union Industrial School in West Battersea sub-district.

St. Saviour's Infirmary in Camberwell sub-district.

Mictropoultan Asylum District Hospitals in Fulnam. Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford, Edmonton, and West Ham sub-districts outside Registration London, Strand and Holborn Workhouses outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during to

Darte																		
Regis-		Area				-			The l	DEATH	s regist	tered I	n the	Week	includ	3		
tration District		Acres,	Enume-			Des	ths of				Death	s fron	a					
and	REGISTRATION	ding	Popu-	H.S.	DEATHS.	H	g. 89		}	1	1	gb.	1	1	1		lio	USBR
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS	EA	under of Age.	aged work	1.		Ver.	1 .	noo			1	808.	Public ons.	Caus
Num-		and	1881.	Ä	A	n 8	80 E	POX.	ag gg	Fe	eria	ing-		86.	99	t Ca	in	ified
bers.		Fore-		1		Infants Year	Persons Years &	Small-por.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough	Fever.	Diarrhos.	Violence,	inquest Cases.	Deaths in Pulinstitutions.	Uncertified
							Pe	- S2	7	S.	ig	14	Fe	ia	V.	La	De	D
LON	NDON - OUTER RING	370,924	950,957	798	462	90	118	-	4	-	9	24	4	3	28	41	74	
										-		-			-	-	-	-
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118	24	14	-	8	-	-	-	-	-	-	-	-	-	10	1
87:1	Godstone (part of) * -	2754	10710 1235	8	10	-	7	_	-	-	~ -	-	7	-	-	-	7	
38:1	Croydon WwHHL -	20831	101241	-	1	-	18	-	-		1		-	-	-	-	-	
2	Mitcham w +	11697	17982	57 8	56	8 2	10	-	1	-	1	7	-	1	20	1	9	
80:1	Wimbledon HHH -	8220	15950	12	8	8	2		-	_	_	_					_	
2 8	Kingston WHH	8549	36354	18	9	. 4	2	-	-	-	-	-	-	-2	-	-	-	
4	Esher (part of) * - Hampton H	6601 4573	9221 13539	6	2 7	1	2	-	-	-	-	-	-1	-	-	-	-	
40:1	Richmond WH	2272	21302	10	6		4		1	_	1			1	-	1	-	1
2	Mortlake	2941	12331	12	2	1	1	-	-		-					-	.1	1
43:1	Bromley (pt. of) * HH	15669	31142	22	11	-	5	-	1	_	-	-	-	-		- ,	1	
42:1	Chishrst(pt.of)* WHH	14807	15844	6	1		-		-	-	-	-	-		-	-	-	1 -
2	Bexley H Dartford (Ww, pts. of)*	18487	24134	19	9	4	2	~	-	-	-	1	1-	-	-	1	-	-
124:1	Sunbury to	11055	11685	12	-	1			-	-	-	-	-	-	-	-	-	
2	Staines W	13277	12089	7	6 7	1	1 8		-		-	-	-	1	1	1	-	1
125:1	Hillingdon WHH -	6029	10802	5	7	1	2	_	-			-			_	1	1 -	/**
2 8	Uxbridge Hayes wHL	6178	ŏ225	2	3	-	2	-	-	-	1		-		-	-	-	4
126:1	Isleworth WHH -	7008	11523 22727	6	5	2	1-	-	-	-	- }	-	-	-	-	-	-	-
2	Twickenham H	2477	12479	12	<i>5</i>	1 2	1		-	-	-	-	-	-		2	-	-
8	Brentford HL	4345	27649	25	10	5	2	-	-	-		-	-	-	1	1	1	2
5	Chiswick	1340 6088	15975 22876	10 18	12 2	2	8	- 1	-	-	-	-	-	-	-	2	-	L
127:1	Harrow H	13809 •	12796	6	5	1	1	-	-	-	-	-	-	-	-	-	-	I
2	Edgware H	6994	8749	3	2	-	2		_		-			_	-	-	7	
8	Willesden Hendon W	4388	27453	49	18	5	3	-	2	-	-	-	-	-	-	-	_	
	Bushey	9831	10484	13	4	-	1	-	-	-	-	-		-	-	-	8	-
	Watford (W, pt. of)	- 2031	6621	5	1	-	1	-	-	- 1	-	-	-	-	-	-	-	-
	South Mimms	15599	6391	5	3								-	-	-	-	-	-
	Barnet	5433	10092	8	5	1	3	-	-	-	-	1	-	-	1	1	3	-
	Finchley HL	4688	17615	23	12	3	3	-	-	-	-	1	-	-	-	1	5	
	Hatfield (part of) * - Hornsey H	8806	583	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tottenham H	3039 4642	37078 46456	67	14	4 8	-	-	-	-	-	1	-	-	-	2	-	-
3	Edmonton Ww ‡ -	7488	23463	19	89	-	11 5		-		1	2	2	-	-	1	2	-
	Enfield WH Waltham Abbey	12653 11017	19104	15	13	5	-	-	-	-	-	-	-	-	1	2	4	-
	Cheshunt	8480	5368 7785	5	1	-	1	-	-	-	-	-	-	-	-	1	-	-
	Stratford	882	38606	28	18	6	1		-	-	,	-	-		~	-	-	-
	West Ham wwwwHSN East Ham	4055	90847	112	60	12	1 4	-	_	_	1 2	7	_		24	24	24	2 8
	Leyton WwL -	3296 4372	10706 32430	13	10	1	1		-	-	1	-	-	-	-	-	-	1
	Walthamstow H -	6520	28869	81	23	4	10	- 1	-	-	-	2	2	-	-	-	3	-
	Chigwell (part of) * H	11761	9669	8	4	_	2				-						-	1
	Epping (W, pt. of)*		-	-	-	-	-	-	-	-	-	- 1	_	-	-		-	-
	Romford (part of) * W	6730 8498	3411	-	1	-	1	-	-	-	-	-	-		_	_	_	
	Barking Town	9400	7645	1	8	1	1		- 1					- 1		1		

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: * The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—
30:2. Epons sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromass sub-district, except the parish of Chelsfield (pop. 1818); 41:2, Chislenurss sub-district, except the parish of Chelsfield (pop. 1818); 41:1, Bromass sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 1875); 189:1, the parish of Northaw in Hatdeld also deaths in Workhouses belonging to the Outer Ring in 49:2, Dartford, 187:2, Watford, and 137:1, Epping, sub-districts, the Exclusive of deaths of London residents in the Holhorn Union Workhouse (pop. Table 2). Exclusive of deaths of London residents in Strand

[†] Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5). Metropolitan Asylum Hospital at Plaistow (see Table 5).

On 1st January the two parishes of East Ham and Little Ilford were serarated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 1st February, 1890.

	Area			L RATE			The Dz	ATHS	regi	stere	l in t	he W	eek i	nelud	le	
GREATER	in Acres,	Estimated		O living.	DEATHS	Dent	hs of			1	Death	s'fron	m.			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu Institution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	1
ATER LONDON	448,334	5,758,500	20.9	1.6	2311	440	613	-	15	14	33	91	13	12	90	544
NNER LONDON -	77,410	4,421,661	21.8	1.6	1849	350	495	-	11	14	24	67	9	9	62	470
UTER RING -	870,924	1,336,839	18.0	1.7	462	90	118	-	4	-	9	24	4	3	28	74

TE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 10.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 Foreign CITIES, having an estimated Aggregate Population of 17,160,014 Persons.

	POPULATION				ANNUAL	DE	ATHS	FROM	PRIN	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
CUTTA	433,219 {	December 14	_	316 298	38.0 35.8	-	1	-	1 1	1	78 87	86† 70†
BAY	773,196	January 7	324	392	22.4	1	1	5	5	3_	130	48†
DRAS	398,777	December 20				-	-	-	-	~	~	-
18 - ,	2,260,945	January 25	1120	1147	26.4	5	16	5	31*	10	17	50
88ELS 3 Faubourgs.)	471,606	" 25	276	215	23 '7	-	1	-		2	2	10
TERDAM -	403,083 {	" 18 " 25	296 270	477 302	62·1 38·6	-	2 3	-	7	-,	2	
TERDAM -	203,486 {	" 18 " 25	161 155	188	47.9 37.0	-	1		1	3 2	1 2 1	- 1
HAGUE -	153,440 {	18	142	122	41.2	-				1		-1
ENHAGEN -	307,000	,, 25 ., 25	107 199	91 127	30.8 21.6	_			1 9	1 5	2	
CKHOLM -	228,218	. 18	113	90	20.5	_	_	5	3*	-	E-1	8
ISTIANIA -	138,30)	" 25	71:	90	33.8	-	5	-	4	2		5
RTERSBURG	924,106	" 11	-	509	28.7.	-	10	18	10	4	9	38
rin	1,526,887	" 11	934	763	26.1	-	9	- 5	31	17	6	31
IBURG(State)	575,276	,, 18	404	312	28*3	-	-,	2	7*	5	6	17
SDEN	269,250	,, 18	170	178	31.4	-	3	- 1	- 13*			4
BLAU	324,143	"· · 25	211	190	.31*1	-	-	-	11*	1	1	14
NICH	298,000	" 18	230	251	44.8	-	7		14*	-	-	10
NNA	822,176	,, 19	480	413	26.1	-	4	1	7	***	1	. 12
GUB	304,356	,, 18	-	298	51.1	1	8	-	5	2	2	5
A-PESTH -	463,017	" 18	229	428	48'1	-	1	1	8	100	8	22
ESTE	160,092	,, 25	73	147	47.8	1	-	-	4*	-	-	1
CB	409,692	November 16	-	-		-			-		-	н
un (11 days)-	306,398	December 31	-	-		-		-		-	-	-
ICE	156.515	January 18	74	149	49.7	21		-	-	1	4	11
BO	374,838	25 9	434	371	51.6	-	_	_	1	1.7	12	111
XANDRIA -	231,396	,, 9	241	184	41.5	8	-		4*	-	6	41
V YORK -	1,595,547	,, 11	-	1424	46.2	-	. 6	9	28	7	7	21
OKLYN -	852,467	,, 11	-	624	38.2	-	-	1	31	8	5	1
LADELPHIA -	1,040,245	,, 11	-	718	36.0	-	3	4	18	. 5	25	3
TIMORE -	500,343	" 11		211	22.0	-	- 4	_	-7	. 2	2	1
V ORLEANS -	254,000	December 14	-	109	22.4	-	-	-	-	-	4	4

Including deaths from croup.
 † Including 38 and 26 deaths respectively from cholera in Calcutta, and 10 in Bombay.

TABLE 9.-METECROLOGICAL OBSERVATIONS taken at the ROYAL OSSERVATORY, GREENWICH, during the Week ending Saturday, February 1sr, 1890. [Under the Superintendence of the Astronomer Royal.]

	1	Ozone.		3.0	1.2	50 70	0.0	0.0	0.0	1.0	1.8	27	no	e de de de	o e ii	nic	nd w	the The	and	he	i.i.i.	
Rain	in a Gauge	An.	surrace is 5 inches above the Ground.	in. 0.01	0.02	0.52	0.00	80.0	70.0	0.03 1	Sum 0.73	26 2	vel of the sea; no	Percentage on the particulation of the properties of the particular of the type of the properties of the particular of the type of the properties of the particular of the type of the particular of the properties of the particular of the type of the type of the particular of the type of the particular of the type of the type of the particular of the type of the type of the particular of the type of the type of the particular of the type of the particular of the type of the type of the particular of the type of the particular of the type of the type of the particular of the type of the particular of the type of the particular of the type of the type of the particular of the type of the particular of the type of the typ	and minimum thermometers, forming the mean dany value or the single defined of the single mean daily deep point temperature and degree of humidity are defined from the mean daily televe point temperature and degree of humidity are defined from the mean daily values of the dry and wet built thermometers by Glaisher's Hygrometers.	The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.	In reacting the columns 9 and 20 it will be norme in mind that the translates "nighter," and in reacting the columns 9 and 20 it will be normally and the average. "I he thermometers in the water of the Thuman are suspended at a depth of two feet below the column and the column are the propried of the translation of the column are the column and the column are the	from the	00	understood as applying to the	The reading of the baroneter increased from 29°50 in. at the beginning of the week to 29°74 in. Phoreaching by the Result of the 20°74 in. Physical to 20°74 in. Physical of the 20°74 in. Physical of the Sund of the 20°74 in. Physical of the 20°74 in. Physical to 20°70 in. Physical of 2	The same of
			Depar- 5 ture from Average of 16 Years.	Wiles. + 502	+184	65 1	- 14	66 -	:	•	mns:	9.5	The m	ed from set the bar rected m	the mean uarry varies of emperature of temperature and degree of humidity are dand wet bulb thermometers by Glaisher's	of the plorizontal	of two	Market, under instructions on's self-registering Electrom	rate; s. s e Instru	d as app	the week	-
	:	Robinson's.	Horizontal Movement of the Air Ao on each Day.	Miles. 1	520	303	323	238	:	:	Sum	2.4	he mean d 9h. P.M	ns deduc g 1873 for h the cor he readir	ee of hu neters b	scussion that of h	ta depth	ider ins	n. model Sunshin	inderstoc	inning of its day; i	-
meters.	_		Mean Moor of the popular of the popular opposite th	lbs. M	1.6	₽.0	6.0	1.0	0.0	0.0	502	23	above ta level.	prrections endings. With	nd degra	m a dis	ind ona	self-reg	veuk; 1	to be u	the beg	-
Anemo		e on the	Least. hot of	108. 110 0.0	1 0.0	0.0	0.0	0.0	0.0	0 0.0	1 .	22 2	se to see sh. P.	n of convergence of the converge	ure an	od fre ing 180 ords fo	odsns e	e Man	appell	day. ns are	in. at.	
Wind as deduced from Anemometers		Pressure on the Square Foot.		lbs. 1b	12.0 0	1	4.2 0	1.5 0	0.5 0	1.3 0	1 .		er 18 L	twent thermo	nperat i wet	t derivers end	nes ar	of the	egative he Car	rvatio	y 8h. P	-
s deduc	Osler's.		Great.	-		٠ ا					:	21	ings to	he app ng the or the	int ter	is tha 20 yes nomet	will b	Clerk d fron	N. n.	nine or al obse at.	ed fror 57 in. b	
Wind a	Osl	irection.	P.M.	WSW.&S	WNW. SW	N. & NNE.	NNW. &:	WAW.& W	N. & Calm.	SSW.	NW.	20	of the ba	lues by trade duri	s, rorming dew poi	the air	ater of th	a by the Clerk of the Market, under instructions from is derived from Thomson's self-registering Electrometer,	positive; N. negative; w. weak; in. moderate; s. strong derived from the Campbell-Stokes Sunshine Instrument,	ght sunsk eorologica midnigh	ed to 29.5	The Later of the l
		General Direction.	A.M.	SW. &WSW. &SW.	WSW. &	ESE. & SSW.	'n.	SW. # WSW.	NW.&NNW.	Calm & SSW.	SW. &	10	The beach of the eistern of the barometer is 184 feet above the mean level of correction has been applied to the readings to reduce to sea level. Observations are usually taken at \$1,4,A,**, 10001; 30, P,**, and \$1,0,P,**. Then the search of the reading the search of	n daily ve records n ears endi	and minimum thermoneters, forming (column 8). The mean daily dew point from the mean daily values of the dry	erature o enwich d cussion of	In reading the columns 9 a " tower," than the average. The thermometers in the wa	the surface, at the city of the their readings are registered Corporation of London. The record of Electricity is	mbols employed are :—R. positive; N. negative; W. Weak; m. moderate; s. strong variable. The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument,	the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are dynl day, or from midnight to midnight,	baromete decrease	1
-	re	I.	- A	***************************************			6.						of the	o mearaphic enty y	The r	e temp at Gre	the constant the meters	f Lond	loyed rs in c	dura of all	of the	
JRE.	he Wat	of the Thames at Deptford.	t. est.	.8 42.0	.6 43.2	.5 43.2	42.9	.6 42.4	.3 41.9	9. 41.4	8 42.6	18	height ion has rvation	ted intohory	n 8). n 8). ne me	average mude ir fron	ver, the	eading stion o	is empaidle.	regate results	reading n on the	
TEMPERATURE			the est.	1 43.8	9.15	8 44.5	44.4	.9 43.6	2 43	2 42.6	8.67	17	The Jorrech Obser	sye-rea convert of the I furing	and m (columirom the	The The string of the s	Luca The t	their readings are regional Corporation of London. The record of Electr	symbols en v. variable. The num	the age	The poor	
TEMP	90	Radiation.	the Lowest on the Grass.	0 82.1	€.88 0.	.9 34.8	.8 28.7	.6 26.9	41	.5 40.3	63.6 83.6	18						after- t	frequent			
-	1		als High- est in Sun's Rays.	1 76.0	3 73.0	6.09 6	8.74. 0	8 54.6	8 51.9	9 54.5	 	15		till th. P.M.; oceasionally.	in early morning;	evening.	d generally	overcast af	g; freq	occasional		
-		midity (Satu-		0.0	5.5 73	0.0	0.0	0.0	86 0.0	66 0.0	06 8.0	3 14	RKS.	ouds ti rain o	in earl	n till e	fine and	1g; 0v6	in morning;	morning:		
between	nperatu.	ature.	at- Least								7.4 0.	13	REMA	able cl slight	windy in ear till evening;	ent rai	very	morning;	omy in	in		
fference	the Air Temperature	Temperature.	an Great- ly est.	2.4	8.1 12.2	0.5	5.7 11.2	3.4 8.0	0.6 2.0	0.4 2.9	3.0 7.	1 12	GENERAL REMARKS	th vari	and	generally; frequent rain till	A.M.;	wery in night.	nt; glo	t; foggy		
Dig	Of the		an Mean ily daily ue, value,	41.2							1 6	11 0	GENE	fine wire	shower; ady and	enerally	till 5h. erwards.	nd show	hrougho Il eveni	overcast		
	Of	i	De- parture from Average of 20lyears.	3.7 41	3.7 35.6	2.4 42.8	2.7 31.8	2.48 8.0	6.4 46.2	4.5 44.6	2.7 39.	9 10		Generally fine with variable clouds overcast atterwards, with slight rain Gale of wind in afternoon and evening,	Overcast; showery partially cloudy and night.	Overcast g	Overcast till 5h.	Variable and showery in wards; thin rain at night.	Overcast throughout; gloomy misty rain till evening.	Generally overcast;		
TURE.		-	E Pag.	+ +	+ 1	+	1	+	+	+	+		1, ve	Gal	Ove partia night,	0	elou	War	Omision	rain	1	
TEMPERAT	Of the Ata	le Air.	Mes dai valu	4 43.	7 43.	7 42.	.6 87	5 41.	.97 9	4 45.	42	00	un abo	00	00 00	6.8	8.8	0.6	0.6	1.6	Sum 62.5	
TEM	1001	10	w- Daily it, Range.	2 0 11.4	4.11 0.	2.41 0.	9.8 %.	0 13.5	.3 5.6	8.2	2 10.1	7	Registered Sun above Sunshine, Horizon, in hours.	61	1.4	0.0	e5 -20	0.0	0.0	0.0	6.8	
			t. est.	.6 39.2	.7 40.0	.7 36.0	.0 33.4	5 33.0	9 43.3	7 42.3	38.5	9	Regh Suns in b								30	the 11 sections
-0 H	n n	100	ed High-	73 50.6	78 51.7	41 50.7	53 42.0	77 46.5	81 48.9	7.14 01	48	1	Tv. ion of (ote.)	P. till	een 7h	N. and	orning	lly, with between A.M.	lefective N. and	orning;		Street, or other Designation of the local Division in which the local Division in the local Division in which the local Division in
BARO-			rected and reduced to 320 Fabren-heit).	in. 29.673	. 29.778	29.541	80.153	30.177	30.181	30.070	29.939	77	ELECTRICITY. (For explanation of symbols, see Note.)	and s.	in n N. betw	and v	in m	general	tion ding; v.	P. in merning;		-
		Phases of the	Moon,	:	First Qr.	:	:	:	:	:	:	50	(For eymbe	w. P. and s. N. in morning; m. P. til evening; w. P. after-	w. P. in morning, with s. N. between 7h A.M. and 8b, A.M.; v.P.	afterwards. v. N. and v. P. in morning; w. N. and w. P. afterwards.	w. P. in morning m. P. afterwards.	w. P. generally, with with w. N. between 4t. A.M. and 7h. A.M.	Insulation defective in morning; v. N. and	v. P. in mer.		The same of the sa
	_	5	AND	BY. 26	22	- 53	- 53	30	31	ARY.	1 .	ol. ,	I. I.	- 93	. 27	. 28	50	08	31	. ~		
	1890	2	MONTH AND DAY.	JANUARY.	Mon.	TUES.	WED.	THURS	FRI.	SAT.	MEANS	No. of Col.	DATE. JANUARY.	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	FEBRUARY SATURDAY		
_				30	M	H	-	H	E.	7 2Q	14	14		Sur	Mo	Tor	WEL	THI	FRI	SAT		

OFFICIAL COPY.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 6, 1890, Vol. LI.

WEEK ENDING SATURDAY, FEBRUARY 8.

[Price 11d.

General Register Office, Somerset House, 10th February, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 23.0 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	W	eeks ending		` .			Weeks	ending	3
Towns.	1	an. Feb. 25. 1.	Feb.	Towns.		Jan. 18.	Jan. 25.	Feb.	Feb. 8.
Birkenhead	17.9 17	7.9 18.4	19.4	Liverpool -		25.2	22.9	22.8	27.2
Birmingham	27.4 22	$2 \cdot 9 26 \cdot 5 $	26.1	1 7 1	.	32.1	26.3	21.8	20.6
Blackburn -	24.9 2	1.5 27.0	23 · 2	Manchester ·	•	28.4	26.9	29.3	30.4
Bolton -	24.8 23	3.9 20.7	20.7	Newcastle-on-Tyr	ae	27.2	22.1	25.9	29.1
Bradford -		9.5 22.8	23.2	Norwich -	3	20.2	15.9	21.9	30.6
Brighton -	15.6 20	0.2 24.5	22.8	Nottingham	- 1	14.9	16.8	14.5	19.4
Bristol -	25.8 27	$7 \cdot 2 26 \cdot 7 $	34.8	Oldham -	-	14.9	23.5	21.7	24.9
Cardiff -	18.3 2	1.4 19.2	22.7	Plymouth	-	21.2	20.5	28.5	25.8
Derby -	17.6 18	5.0 17.1	18.6	Portsmouth	-	22.6	25.5	20.1	29.9
Halifax -	21.0 24	4.8 19.1	$22 \cdot 2$	Preston	-	25.8	27.8	24.3	26.8
Huddersfield	18.8 17	7.7 23.8	19.9	Salford -	-	20.9	18.9	21.3	23.0
Hull	21.5 27	7.1 23.7	20.5	Sheffield -	3	23.5	21.0	26.2	23.2
Leeds -			25.5	Sunderland .		20.3	18.3	28.6	25.6
Leicester -	17.2 20	0.3 19.9	16.6	Wolverhampton ·	-	21.9	25.6	23.1	25.6

The highest annual death-rates, measured by last week's mortality, were:—from whooping-cough, 1·1 in London, in Leeds, and in Oldham, 1·2 in Liverpool, 1·3 in Plymouth, 1·7 in Brighton, 2·3 in Bolton, and 4·5 in Bristol; from measles, 1·1 in Liverpool; and from "fever," 1·5 in Sunderland. In none of the twenty-eight towns did the death-rate from scarlet fever reach 1·0 per 1000. The 42 deaths from diphtheria in these towns included 24 in London, 5 in Salford, 4 in Manchester, 2 in Liverpool, 2 in Bolton, and 2 in Portsmouth. No death from small-pox was registered in any of the twenty-eight great towns.

LONDON.

In London 2707 births and 1749 deaths were registered. Allowing for increase of population, the births were 334, and the deaths were 226, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 32·4, 32·1, 26·3, and 21·8 in the four preceding weeks, further declined last week to 20·6. During the first six weeks of the current quarter the death-rate averaged 26·9 per 1000, and was 3·5 above the mean rate in the corresponding periods of the ten years 1880–89; the mean death-rate during the same period in the twenty-seven provincial towns was 23·9 per 1000.

The 1749 deaths included 8 from measles, 19 from scarlet fever, 24 from diphtheria, 91 from whooping-cough, 2 from enteric fever, 4 from diarrhea and

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 148 deaths were referred to these diseases, being 86 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 13; only 3 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The death of a child, aged $2\frac{1}{2}$ years, in St. Giles, was referred to "pneumonia following "varicella." The fatal cases of *measles*, which had been 24, 21, and 11 in the three preceding weeks, further declined last week to 8, and were 23 below the corrected average; 2 belonged to St. Luke sanitary area. The 19 deaths from scarlet fever showed a further increase upon the low numbers returned in the two previous weeks, but were 9 below the corrected average; 2 belonged to Chelsea, 3 to Islington, and 2 to Mile End Old Town sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1297 scarlet fever patients at the end of the week, against numbers declining on the six preceding Saturdays from 1609 to 1342; 75 cases were admitted to these hospitals during the week, against 77, 91, and 99 in the three previous weeks. The deaths from diphtheria, which had been 22 and 24 in the two preceding weeks, were again 24 last week, and exceeded the corrected average by 3; 3 belonged to Hammersmith, 2 to Fulham, 2 to Pancras, 2 to Bethnal Green, 2 to Mile End Old Town, 2 to Wandsworth, and 2 to Greenwich sanitary areas. The 91 fatal cases of whooping-cough showed an increase of 24 upon the number in the previous week, but were 19 below the corrected average; 4 belonged to Hammersmith, 4 to Pancras, 5 to Islington, 10 to Shoreditch, 4 to Bethnal Green, 4 to St. George-in-the-East, 7 to Mile End Old Town, 5 to Battersea, and 8 to Camberwell sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 14 and 9 in the two preceding weeks, further declined last week to 4, and were 11 below the corrected average.

The deaths referred to enteric fever, which had been 14, 10, and 9 in the three preceding weeks, further declined last week to 2, and were 12 below the corrected average. The Metropolitan Asylum Hospitals contained 71 cases of enteric fever and 2 of typhus on Saturday last; 4 cases of enteric fever were

admitted during the week, against 5 in each of the two preceding weeks.

The deaths primarily attributed to influenza, which had been 4, 67, 127, 105, and 75 in the five preceding weeks, further declined last week to 38; of these, 13 belonged to the south, 10 to the west, 10 to the north, 4 to the east, and 1 to the central groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 1069, 1010, 736, and 550 in the four preceding weeks, further declined last week to 485,

and were 100 below the corrected average.

Different forms of violence caused 58 deaths, concerning all but 1 of which inquests were held. Of these 58 deaths, 5 were cases of suicide, while the remaining 53 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 10 by burns or scalds, 1 by drowning, and 17 of infants aged under one year by suffocation.

GREATER LONDON.

In Greater London 3667 births and 2228 deaths were registered, corresponding to annual rates of 33.2 and 20.2 per 1000 of the estimated population. In the Outer Ring 29 deaths from whooping-cough, 9 from measles, and 8 from diphtheria, were registered. The fatal cases of whooping-cough included 7 in West Ham, and 6 Croydon sub-districts. Three deaths from measles were returned in Croydon and the West Ham sub-districts; and 3 of the 8 fatal cases of diphtheria also occurred in West Ham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was At the Royal Observatory, Greenwich, the mean reading of the *varometer* last week was 30°10 ins.; the highest reading was 30°29 ins. on Monday morning and the lowest 29°89 ins. on Tuesday evening. The mean temperature of the *air* was 37°°1, and 3°°3 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed a slight excess on Sunday, but was below the average on each of the other days of the week. The general direction of the *wind* was N.E., and the horizontal movement of the air averaged 8°6 miles have which was 5°5 below the average in the corresponding weeks of 16 years. Rain fell per hour, which was 5.5 below the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0.05 of an inch. The duration of registered bright sunshine in the week was 9.5 hours, against 22.7 hours at Glynde Place, Lewes.

1-			(-		-	_	_	-	-		-			_		-	-	_					
	CITIES	AND BOROUGES,	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL,	WOLVERSAMPTON.	T.PICEGERE	Norminguay.	DEEBY.	BIRKENHBAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIBLD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIRE.	EDINBURGH.	GLASGOW.	DUBLIN.
		In Centi-	24.	90.0	0.13	00.0		0.15	0.10	3 1		0.03		1	0.03	8	,•		1	1, 1		1	0.13	ŧ	1	0.18	80.0	90.0	1	01.0	0.18	80.0
RAIMBALL		'sochoni ml	23.	0.03	0.02	00.0	1 1	90.0	0.00		8	0.01	1	,	10.0			8	1	B .		1	0.02	1	1	20.0	0.03	00.0	1	0.04	_	0.03
S AIR.	an.	Centigrade.	22.	3.26	2.83	2.89	1 1	3.89	2.89	200	1	19.6	1 1	1	3.20	1	1	1	1			1	4.56	J.	1	3.33	2.06	₹.00	1	64.6	3.67	7.00
OF THI	Mean.	·tiednerds'	21.	38.4	37.1	37.2	1 1	39.0	37.2	0 00		1 000	2	1	38.3	1	8	1	1		,	1	40.5	8	2	38.0	1.15	30.5	ı	86.19	9.88	39.3
TEMPERATURE OF THE AIR.	*41	nheit.	20.	25.1	2.1.2	2.62	1 1	0.83	27.0	7 7		4.06		1	9.08	,1	1	2	1	1 1	1		30.0	3	1	0.45	31.0	0.08	1	1 4.40	25.5	79.97
PEMPE	.38	Higher Higher	19.	52.0	6.94	0.4	1 1	49.0	48.0	9		6.67	-	1	46.4	1.		ž	ī	8 :	1 8	1	20.09	ŧ	1			0.24	1	0.67	_	3 0.65
	eaths	From Diseases in Cols. 6-12.	18.	1.9	1.7	2.1	1.1		4.0	-	9 60			0.2	5.0	4.1	5.0	3.0	00	4.0	0.0	0.0	1.8	0.2	1.4	-		1.6 4	₹.0	2.9 4		1.8
Annual Kate per 1006,	to the Week's Deaths	From All Causes.	17.	23.0	9.03	8.23	9.08	8.97	84.8	1.96	10.91	19.4	18.6	19.4	27.2	2.03	30.4	23.0	6.97	23.5	6.61	3.73	23.2	25.2	23.5	20.2	52.6	29.1	25.2	24.4	25.0	33.4
	anse.	HitreenU Tro seeusU	16.	26	13	o 1	1	ı	9 -	1 0	. %	4 5-1	1	H	21	1	9	9		1 6	1 1	70		_	13	ı	-	G Z	-		35	-
		Deathai Silduq Oitutitanl	15.	755	401	17	00	-	2 2	50	3 %	0 00	00	10	65	9	48	16	21	4 1	ಣ	ෙ	17	11	13	7	10	00	10		47	
		laU tasupul	14.	291	125	4	H on	4	r- 67	1 61	1 1	- 1	63	10	14	1	23	10.	-	H 4	5	1	10	6	41	9	0	90	e1		. 0.	63
ide '	1	Violence.	13.	139	55	- 67	1 11	,	හ <u>-</u>	90	0.00	1 01	67	67	12	1	00	10	10 1		, ,	1	9	00	21	4	ಣ	20	-	- 6	2 9	4
The DEATHS registered in the Week include	=	Districts.	12.	19	41	1 1	1	1	p=1 p=1	-	1 8	1	1	1	1	1	41	တ	p=1 :		1 1	1	1	1	1	ž	Н	-	1	-	1	1
e Wee		Ferer.	ä	24	23		-	1	1	-	-	1	8	- 1	C3	1	ಣ	1	1	ı ı	ı	ı	4	00	63	1	4	-1	1	-	1 70	9
ed in th	from	Whooping-	10.	168	91	4 0	1	03	20	4	1 1	p=-1	1	7	14	20	23	4	က	1 1	1	1	1	00	Н	Н	1	7	-	00	17	4
gister	Deaths from	Diphtheria	9.	42	24	Н 6	1	Н	1			1	1	1	63	63	48	10	1	1 1	ı	1	1	- 1	ı	1	ı	1	1	05	0 01	t
THS re	A -	Scarlet. Fever.	00	51	19	1 1	1	-	- 1		- 1	г	1	1	က	Н	9	67	-	1 -	1	ı	-	03	2	1	ı	03	1	97	0 01	À
e DEA		Measles.	7.	41	00	1 1	-	ı	1 1	1	- 1	-		1	13	1	4	1	1	1 -	4 1	ı	43	1	H	Н	1	ı	1	16	9	63
T		.xoq-lism2	6.	ı	1	1 1	1	1	1 1	1		1 1		1	1	ı	1	1	ŀ	1	1 1	ł	1	1	ı	1	1	1	1	1	1	1
	eaths of	Persons age 80 Years and upwards	6.	1090	463	19	16	1	24 0	30	100	82 62	00	9	54	9	20	12	16	17	1 7	10	30	61	37	28	19	21	10	96	47	19
	eat	Infants unde l Year of Age.	4.	892	872	9 71	16	10	32	1 2	17.	17	1	. 9	11	13	42	19	10	11 :	14	00	19	31	53	18	12	11	15	00	289	33
during	_		%	4292	1749	42.0	20	88	155	931	40	16	36	39	320	46	221	101	20		36	325	101	178	148	84	49	16	10	127	254	226
Registered during	the Week ending 8th Feb., 1890.	BIRTES, DEATES.	2.	5999	2707	63	63 63	49	111	A 00	000	142	553	52	364	89	274	151	91	82 22	59	46	112	222	204	115	117	141	98	147	321	207
Re	_			_		65	2 62	2 2	8	9 1	9	30	3.5	69	63	46	87	60	16	55 8 8 8	00 10	34	15	66	37	83	90	28	12	70	80	***
	Population estimated	middle of the Year 1890.*	1.	9,715,559	4,421,661	123,659	142,952	78,780	232,248	20,400	461,865	154,344	100 871	105,049	613,463	115,846	579,487	242,509	146,716	123,558	94.253	82,034	240,515	863,799	332,837	213,833	136,506	162,987	117,012	271,135	\$30,208	\$53,08
	-		Cols.	•	٠	•		٠	. 50	40				•					•		. A	•		٠	•	6'	•	•		•	•	
	CITIES	AND BORUUGHS.	3	28 TOWNS	LONDON -	BRIGHTON .	PORTSMOUTH NORWICH .	PLYMOUTH .	BRISTOL	WOLVERHAMFIUM	BIRMINGHAM	LEICEBTER "	Dunny	2	LIVERPOOL .	BOLTON .	MANCHESTER	SALFORD .	OLDHAM .	BLACKBURN -	FIE	HALIPAX .	BRADFORD .	LEEDS	SHEFFIELD .	HOME .	SUNDERLAND	Y I	CARDIFF	EDINBURGH -	GLASGOW .	DUBLIN

TABLE 20 LONDON.—Births and Deaths Registered in the SIXTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89,*	1890
Total Births Males Females .	2701	2819	2951	2888	2714	2913	2739	2563	2830	2772	3041·3	2707
	1369	1430	1585	1514	1417	1473	1363	1315	1383	1433	1551·9	1373
	1332	1389	1416	1374	1297	1440	1376	1248	1447	1339	1489·4	1334
Total Deaths Males Females .	2495	1633	2632	1631	1499	1525	1983	1418	1838	1460	1975·3	1749
	1188	829	1324	817	809	766	972	697	914	721	985·5	886
	1307	804	1308	814	690	759	1011	721	924	739	989·8	863

The numbers in this column are the average weekly numbers in the sixth weeks of the ten years 1880-89, raised by 9'046 per cent, for increase of population,

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

16. 23. 30. 7. 14. 21. 28. 4. 11. 18. 25. 1. 8.	TABLE 3. LONDON.	JEMI III	, 1				016011	701 11	- the	23600	A IIII.	Poloic	44 171771	
Total Deaths 1451 1375 1448 1683 1768 1816 1690 2371 2747 2720 2227 1849 1745														Feb.
Ages at	TOTAL Births	2522	2517	2321	2270	2535	2513	1815	2961	2818	2714	2510	2699	2707
Ages at 20-40 - 254 259 266 294 312 348 332 541 670 666 510 369 348 60-80 - 254 259 266 294 312 348 332 541 670 666 510 369 348 348 332 541 670 666 510 369 348 34	Total Deaths	1451	1375	1448	1683	1768	1816	1690	2371	2747	2720	2227	1849	1749
Deaths from Small-pox	Ages at 20-40 ,,	188 254 265	176 259 222	184 266 292	196 294 392	227 312 418	216 348 424	220 332 396	346 541 552	367 670 640	450 666 576	510 503	282 369 390	714 238 334 363 100
", Measles 38 33 18 41 30 35 29 36 24 24 21 11 18 17 19 24 12 22 14 15 13 22 10 14 19 19 10 14 19 10 14 19 10 12 10 14 19 10 12 10 14 19 10 12 10 13 10 10 10 10 10 10	,, <1-5	235	233	227	265	247	261	232	310	375	344	294	250	372 254 88
tory System 154 169 183 161 182 161 180 247 267 312 239 220 209	" Measles Scarlet fever - Diphtheria - Whooping-cough Typhus - Enteric fever - SimpleContafeve Diarrhea and Dysentery - Cholera Utility - Measles - Diarrhea - Cholera Utility - Diarrhea	38 24 38 37 1 20 r – 16	33 17 30 31 - 22 2 17	18 19 33 44 - 15 1 12 -	41 24 47 47 - 8 2 12	30 12 35 49 - 15	35 22 27 60 1 12 - 13	29 14 26 67 2 13 -	36 15 32 98 - 12 - 10 -	24 13 26 112 - 11 1 12	24 -22 22 104 - 14 1 6	21 10 22 82 1 10 -	11 14 24 67 - 9 -	8 19 24 91 -
Temperature of the Air 128 114 113 128 124 156 121 195 192 171 142 127 125 126 127 126 127 127 128	tory System f Phthisis - Dis. of Circula- tory System f	154 121	169 113	183 126	161 165	182 163	161 189	180 158	247 222	267 275	312 209	239 193	220 116	485 209 154
Temperature of the Air A6.8 4.9 37.6 32.1 33.1 43.5 39.8 32.8 47.6 45.5 42.7 42.9 37.1 Mean of Highest readings - Mean of Lowest readings - 41.0 41.3 32.0 27.8 31.9 38.1 35.2 28.5 43.0 39.4 36.9 38.2 32.0 41.0 41.3 32.0 27.8 31.9 38.1 35.2 28.5 43.0 39.4 36.9 38.2 32.0 41.0 41.3 32.0 27.8 31.9 38.1 35.2 28.5 43.0 39.4 36.9 38.2 32.0 41.0 41.3 32.0 27.8 31.9 38.1 35.2 28.5 43.0 39.4 36.9 38.2 32.0 41.0 41.0 41.0 41.0 41.0 41.0 41.0 41	Inquest Cases	122	114	113	128	124	156	121	195	192	171	142	127	125
Rain-fall in inches 0.01 0.13 0.32 0.23 0.23 0.33 0.61 0.11 0.40 0.13 0.77 0.73 0.05	TEMPERATURE OF THE AIR Mean Mean of Highest readings	46.8	44.9	37.6	32·1 35·8	38·1 42·5	43.5	89·8 44·0	32·8 36·7	47·6 52·4	50.6	42·7 48·4	48.3	37·1 42·7 32·0
		0.01	0.13	0.32	0.23	0.23	0.33	0.61	0.11	0.40	0.13	0.77	0.73	0.05

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:-F.E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and R. A. Whitelegge, Esq., M.D., Nottingham: J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soa, Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esa., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the

						Six	TH	We	ek	of the Year 1890.									
	r the years	3	In	the				1890.			for the	Si	aturd	n the	8th F	ebru	ary l	890.	
	[S S		De	eaths tl	of P		ns of				ages he 10 9.*		De	aths th	of Pe		s of	-	
CAUSES OF DEATH.	ted Averages /eeks of the 1880-89.*		0	Jnder 20.		or 40.	er 60.	er 80.	and	CAUSES OF DEATH.	d Avera eks of the 1880-st		U	nder 20.		or 40.	er 60.	er 80.	Bud
	Weeks	AGES.	I			d under	d under	d under	Years upwards.		Week	AGES.	-1	1		d under	d under	nuq	Y Care
	Corrected 6th Weel	ALL	0-7	1-0.	6-20.	20 and	40 and	60 and	X OR		Corrected 6th Weel	ALL	0-1.	1-6.	5-20	20 and	40 and	100 3	X US
ALL CAUSES	1975.3	1749	372	254	88	238	334	363	100	Diseases of Organs of } Special Sense †}	2.0	1	-	-	-	1	-	-	-
Small- Vaccinated; -	}13.2	-	-	-	-	-	-	-	-	Diseases of Circulatory	145.0	154	2	1	12	23	35	69	12
No Statement) (- 0	-	-	-	-	-	-	-	System}		-		-	-	-	-	-	-
Measles Scarlet Fever	31.1	8	3	5 14	4				Į.	Croup Bronchitis	13.8	13 809	51	12	7	15	59	114	23
Typhus	1.1	-	-	-	3-0	-	-	-	-	Pneumonia	124.3	117	28	29	9	14	21	16	-
Relapsing Fever †	0.3	38	1	3	3	7	11	10	3	Other Diseases of Respi-	49'6	42	6	13	1	3	8	в	8
Influenza Whooping-cough	109.7	91	36	54	- 1	-	-	-	-					-		-	-	-	-
Diphtheria	21.1	24	2	14	7	~	1	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	17.7	15	11	4	-	-	-	-	-
Simple Continued and \ Ill-defined Fever -	0.8	-	-	-	-	Н	-	-	-	Peritonitis	7'0 6'8	7 1	3	1	-	1	1	2	=
Enteric Fever	18.2	2	-	-	- 1	1	÷	-	-	Diseases of Liver Other Diseases of)	29.0	23 24	3	-	-	3	6	8 7	1 4
Cholera	15.0	4	4	-	-	-	-			Digestive System -}	20								
Diarrhœa, Dysentery - Remittent Fevert	0.0	1	-	-	-		-			Diseases of Lymphatic)						1	8		
Hydrophobia	0°1		-	-	-	-	-	-	-	System & of Ductless Glands †	2'4	4	-		-	1			
Glanders =	0.1	-	-	-	-		-	-	-				-	-	-	-	-		-
Cowpox and Effects of Vaccination † }	0'1	-	-	-	-	-		-	-	Diseases of Urinary System }	44.2	43	-	-	8	8	13	11	8
Venereal Affections -	9.3	8	8	1 2		2	2	\ -	-			-	-	-	-		-	-	-
Erysipelas Pyæmia and Septicæmia †	0.7	4	1	-	-	3	_	_	Î	Diseases of Generative	5.7	7	-	-	-	1	3	2	1
Puerperal Fever	8.8	8	-	-	-	3	-	-		Accidents of Childbirth -	4.9	8	-	-	1	2	_	-	-
Other Zymotic Diseases †	0.9	1		1				_		Diseases of Locomotive	410	70		,	0	4	1	1	
Thrush	2.8	1	1	-	_	_	_	-	_	System +}	6.5	10	-	1	3	4	1	1	_
Worms and other Para-	0.2	1	-	1	-	-	-	-	-,	Diseases of Integumen-)	6.9	7	2	2	_	-	1	2	-
		-				-			F	tary System 5			-	-			-		-
Starvation, Want of Breast-milk † }	1.8	4	4	-	-	-	-	-	-	VIOLENT DEATHS.\$									
Alcoholism	3.8	13		_		-4	8	1	-	(Accident.)									
Rheumatic Fever, Rheumatism of Heartt	10.1	3	-	-	-	1	1	1	ŀ	Fracture and Contusion Gunshot Wound	21.8	24	1 -	2 -	2 -	4	6	6 -	3
Rheumatism †	2.8	2		-	-	-	-,	1	1	Cut, Stab Burn and Scald	7.5	10	ī	4	2	2	-	ī	
Gout	3.9	1	-	-		-	1	-	-	Poison Drowning	1.3	ĩ	-	-	ī		-	-	-
Rickets † Cancer	3.8	6 54	2	1	1	10	24	18		Suffocation Otherwise	18.5	17	17	-	-	ī	-		-
Tabes Mesenterica -	24'9	26	16	8	1	1	az E	10	-			-	-		-			-	-
Tubercular Meningitis -	30°5	13	5	6	2	-	-	-	-	(Homicide.)									
Phthisis	190'3	209	1 8	1	14	101	82	7		Murder & Manalaughter	1:5	-	**		-	-	-	_	
Scrofula, Tuberculosis - Other Constitutional \	9.8	13	l °	-	-	4	3	5	-	(9									
Diseases †}						-		_	1	Gunshot Wound	0.2	-	-	-	-	-	-	-	-
Premature Birth	40.2	40	40	-	-	-	-	_	-	Cut, Stab	1 3.1	ĩ	-	-	ī	-	-	=	-
Ateleotasis +	3.1	1	1	-	-	-	-	-	-	Drowning	2.0	4	-	-	=	3	1	=	-
Congenital Malforma-	7.5	6	5	1	-	-	-	-	-	Otherwise	0.8	_	1		_		_		
Old Age	65.2	55	-	-	-	-	-	27	28	(EXECUTION.)									
Apoplexy	51.0	42	-	1	-	3	111	21	6	Hanging	0.0	-	-	-	-	-	-	-	-
Epilepsy		5	-	-	-	1	1	3	-		-	-	-	-	-	-		-	
Convulsions Other Diseases of Brain)	52.1	58	52	6	-	-	-	-	-	OTHER CAUSES †	61.3	45	40	2	-	-	1	2	-
and Nervous System	1.00.4	92	15	14	9	5	23	22	4				1				,		
								_											

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9°046 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the decessed has, or has not, been vaccinated, or when this cause of death is not certified by a registered rititioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, unlaughter, or suicide. All such cases are classed under "accident or negligence.".

Table 5. LONDON.—Pogulation; Births; Deaths from all Causes, and from Small-pox, Measles, Scarles during the Week ending

£ .													duri	ing t	the \	Weel	k en	ling
							The	DE/	THS	rogist	ered	in the	Was	kin	lude			
	Enume-			Deat	hs of					Deat	hs fr	om				1 .	0	1
REGISTRATION	rated Fopu-	282	He.	or 1	d 60 wds.			1 :	1	eongp.	1	OVOL.	1.	1			Public	Causes
SUB-DISTRICTS.	lation,	BIRTHS	DEATE	under of Age.	aged 60	ox.		Fever.	ria.	18-ea		S. C.	don-	· 88		Cases.	in	led C
	1881.	Total E	Total I	Infants Year o	Persons Years	Small-pox.	asles.	Searlet 1	Diphtheria	Whooping	Typhus.	Enterie Typhoid	Simple c	Diarrho	Violence	Inquest	Deaths	Incertified of Death.
		H ₀	E -	Inf	Per	Sm	Meas	Sea	Dig	W	H	Ent	Sim	Die	V ic	Ind	Dec	Co
LONDON	3,815,704	2707	1749	372	463	-	8	19	24	91	-	2	-	4	58	125	401	13
WEST DISTRICTS	669,688	421	289	59	93	-	-	3	4	16	-	-	-	1	6	20	68	4
NORTH DISTRICTS	905,947	580 155	378 106	. 76 20	107	-	2	5	5	14	-	1	-	2	12	28	90	1
EAST DISTRICTS -	692,788	551	354	77	74	-	1	2	3	80	-	1	-	1	17	85	99	1
SOUTH DISTRICTS - HOS-	1,265,148	1000 -	617	140	168		2	3 5	11	29	-	:-		_	20	36	107	7
LONDON		-	5	-		-		-			-	-		_		-	-	-
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M.	69888	48	32	6	14		-	-	-	1 2	-	-	-	- 1	2 2	8	7	-
St. John Paddington H - G.S. Kensington Town Ww - W.M.	87880 190141 48010	10 64 15	10 54 14	10 1	3 23 6	-	-	-	-	8	-		-	1	1	3	1 2	1
St Peter Hemmersmith W.M.	7599 64840	5 59	1 33	1 7	8	-	-	-	2	- 4	-	-	-	-	ī	3	1 3	
St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C.	42900 30896	58	34	14 2	5	-	-	ī	1	2	-	H	-	-	1	S	10	-
Chelsea North-west WHHHHH Chelsea North-east	24925 32807	22 17 32	21 8	1 2	9 2	-	-	2	-	2	-	-	-	-	_	4	13	Ξ
May Fair WW G.J. Belgrave WHHH C.	80853 59220	11 23	13	1 2	7 6	-	1 4	-	- 1	-	-	-	-	-	2	8	11 7	ī
St. John Westminster HHH - C. St. Margaret Westminster H - C.	85496 24679	23	16 11	2 2 5	8 -	-	-	=	-	ĩ		-	-	-	-	-	5	=
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	17	13	2 3	6	-	-1	-	-	-	-		-	-	1 -	1	2 2	2
NORTH DISTRICTS.					8										_			
All Souls Marylebone HHHHH. W.M. Cavendish Square HHHH W.M.	26759 14891 24809	11 5 9	5 8	- 2	2 3	-	-	-	-	-	-		-	-	-		3 - 4	-
Cavendieh Square HHHH Rectory Marylebone WH St. Mary Marylebo. HHH G.J. & W.M. Christchurch Marylebone HH W.M. St. John Marylebone H W.M.	21118 88700	19	10	3 3	1	-	-		-	ī	-	-		-	-	1 2	-	-
St. John Marylebone H W.M. Hampstead WwwHHHH N.R.&W.M	83688 45452	17 34	13 21	1 5	5	-	-	1	_	2	-	-	-		-	2	1	-
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M.	89115 27729	16 13	6 14	3	3	-	-	-	1	1	-	ī	-	1	-	ī	-	-
Gray's Inn Lane HHH N.R. Somers Town H N.R.	30247 84369	17 28	18	3 3	3	-	-	-	-	1 -	-	-	-	=	5	5	7 8	-
Camden Town WH N.R. Kentish Town W N.R.	17811 87487	12 55	11 36	8	7 10	-	-	-	1	2	-	-	-	-	2	2	7 9	-
Upper Holloway WWwH - N.R. Islington South-west HH - N.R.	67946 100976	52 70	64 81	12 8	17 6	-	î	1	-	3	-	-	-	-	3	6 8	28	-
Highbury H N.R.	61895 52048	31 43	22 14	4	11 4	=	-	-	-	1	-	-	=	1 -	-	1 -	2	-
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	14 5 26	1	-	1 4	-	-	-	-	-	-	-	-	-	=	1	-	-
West Hackney H N.R. Hackney $WwwWH$ E.L.&N.R. South Hackney E.L.	37610 76911 39883	60 21	9 45 14	7 6	11	-	1	3	3	1	-	-	-	-	1	1	20	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864	2 28 7	9 7	2	1 3	-	7	-	-	-	-	=	-	=	ī	ī	2	
St Martin-in-the-Fields HH N.R. & C.	13837 17508	9	6	1	2	-	-	-	-	1	-	-	-	-	-	1	3	-
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	3 -	7 2	1	2	-	-	-	=	-	-	-	-	=	=	-	5 2	-
St. Geothe-Martyr HHHHHHH N.R.	18671 10706	12	7 6	1	2 1	-	-	-	-	-	-	-	-	-	-	-	8	
Saffron Hill H N.K.	6588 17516	5	6	3		-	-	-	=	1	-	=	-	=	ī .	1	-	-
Pentonville N.R.	19281 14778	9 12 16	6	2 2	2 3	-	î	-	-	-:		-	-	-	-	=	-	
Old-street H N.R.	17506 11541 18628	15	4 9 8	3	1	-	-	-	-	-	-	-	-	-	-	ī	ī	-
Whiteeross-strees " NR	9217 7468	7	8 -	2 -	-	-	2	=	1	-	-	7	-	-	=	=	=	
St. Botolph H N.R.&E.L.	11174	3	- 8	ī	2	-	-	-	-	-	-	=	-	-	-	-	-	-
Cripplegate N.K.	7193 5858	3 5	1 15	ī	1 -	-	-	ī	-	=	-	=	-	-	ī	ī	14	1
St. Bride W N.R. Allhallows Barking N.R. Broad Street H N.R.	8396 13666 5652	8 -	1	=	1 -	=	-	-	-	=	-	-	-	-	-	-	1	
Citode Burgot as	0000					-	-	-	-	-	-	- 1	- 1	- 1	-	-	- 1	-

NOTE - The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse; #-Hospital; L-Lunatic Asylum; w-A Workhouse Establishment receiving inmates from other Districts than that in which is stards, see note at the toot of next page. The Roman capitals signify the Water Companies which supply the different sub-districts: -G.J. signifies Grand Junction Company; W.M. West Middlesex; C. Chelsea; S. Southwark and Vannhall; L. Lambeth; N. B. New River; E.L., East London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

	-						The	DEA	THS 1	egist	ered i	n the	Wee	k inc	lude.			
	Enume-			Deat	hs of				1	Death	s fron						0	98
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under I Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS. lywell Shoreditch - N.R. & E.L. Leonard Shoreditch HL^{\oplus} , - N.R. tton New Town ω N.R. tton Old Town N.R. ggerston WH N.R. & E.L.	7376 14967 29937 28036 46275	10 28 12 44	8 8 19 11 30	22325	1 9 4 5	11111	1	11111	11111	- 316	11111	11111	11111	11111	1 1 1	1 2 2	1 9 -	
thnal Green North H - E.L. thnal Green South - E.L. thnal Green East WHL^* - E.L.	51157 34399 41405	42 33 32	21 10 83	6 4	3 1 9	-	111	111	1 -	1 2 2	111	-		1 -	2 1	3	21	=
talfields E.L. & N.R. e End New Town # E.L. titechapel Church # E.L. & N.R. dman's Fields E.L. lgate E.L. N.R. & E.L.	22585 15478 17490 9713 6102	17 24 11 4 8	12 12 21 1 6	5 1 8 - 1	148		11111	11111	1	1 - 1	11111	1 1 1 1	1111	11111	3 1	2 3 1 1	9 15 -	
George's, North John, St. George East W - E.L. dwell H E.L. & N.R.	38747 8410 10895	27 8 6	12 9	3 - 2	2 2	- -	11 11	ī -	1 1 1	81	11 11	11 11	11 11		1	3 -	6	-
dwel: H E.L. & N.R. cliff E.L. nehouse E.L. & E.L.	16107 82041 37960	14 22 29 45	8 4 20 34	1 2 9	2 4 6	1 1	-	1	1	1 8 4	-	ī	1 1 1		- 1	- 4	- 4	1
e End old Town East Www.H- E.L. The Lamber www.H E.L. Clar WW.H E.L. L. L.	67653 87074 64359 55077	80 54 47	19 39 17	6 10 3	1 12 3	1 1 1		111		2 -	111	-			1 2 2	2 5 2	17 17 1	
SOUTH DISTRICTS. ristchurch Southwark WH L. & S. Saviour Southwark - S. tot-road - S. & L. rough-road WH - S. & L. don-road HL - L. & S. nity Newington - S. & L. Mary Newington - L. & S.	18668 14999 21381 15953 21318 26672 59555 21623	8 10 17 11 17 23 86 15	14 4 10 9 10 10 83 4	4 2 4 2 4 3 8 1	5 - 2 2 1 4 13 2	11111111	1111111	1111111	1	1 1 1 1 1 1 1 1		11111111	1111111	11111111	1 - 2 -	1 3 2 1 1 3 -	2 - 2 - 12 -	22
Olave WH S. & L. Mary Magdalen W - S. & L. James Bermondsey - S. & K. herbithe WH S. & K.	11956 16300 15669 54682 36024	7 13 13 38 27	14 7 6 25 18	1 2 7 1	2 1 2 5 3			11111	11111	- 2	11111	11111	1111	11111	1 - 1 -	2 1 2 -	9 - 2 - 2	31111
terioo-road ist	15195 16351 19876 39859 45282 35382 62837 19017	14 11 15 87 81 20 48 12	5 9 13 28 14 4 24 10	2 3 3 2 2 6 1	1 3 17 5 2 8 5	11111111	111111	1	3	1	1111111	1111111	1111111	11111111	1 2	1 3	1 9 19 - 1	111111
t Battersea	54675 52587 36380 28004 13235 25553	54 46 24 31 12 27	25 42 14 7 4 13	10 10 5 - 1 3	6 10 3 1 1 5	111111	11111	111111	1 1	2 3 - 1 1	111111	11111	111111	111111	1 2 - 1	1 2 - 1	10	11111
which L. & S. pherwell $W \omega L^*L^* -$ S. & L. kham $W -$ S., L., & K. George Camberwell - L. & S.	5590 59104 71089 50810	1 50 58 48	1 41 33 19	9 10 2	1 7 11 6	1 1 1	1 -	1 -	ī - -	3 4 1	Ξ,				1	3 -	18	1111
Paul Deptford vw K. Nicholas Deptford K. enwich West H K. enwich East WHH K.	76752 7901 21972 24608	72 6 20 22	43 1 6 16	12 - 5	8 -1 2	1 1 1	1 -	1 -	2 -	1		1111		1111	2 - 1	3	1 - 9	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	5 16 9	2 2 10 15	- 2 1	1 1 1 9	1 1 1 1		-	1111	- 1			-			1 -	1111	
tolking HH K. tolwich Dockyard K. tolwich Arsenal HH K. mstead, West H K. mstead, East W K.	10930 17617 19045 14009 19241	9 14 8 13 32	6 8 7 6 25	2 - 2 3 5	1 2 1 7				1	1111	11111	11111	11111	11111	2	2	2 - 8	1
tropolitan Asylum Hospitals: Dartford w Winchmore Hill w	-	-	5	-			-	- 5	-	-	-	-	-	11.	=	111	5	-

The following Workhouse Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Order Table by we."

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottenham Court sub-district.
Holborn infirmary in Upper Holloway, sub-district.
Hackney sub-district.
Hackney sub-district.
Hackney sub-district.
Hie End Old Town Eastern sub-dist.
Mile End Old Town Eastern sub-dist.
St. St. Strond, and St. Paul, Deptord sub-districts, and in Dartford, Edmont, and West Ham sub-districts of the Edmont.
Strand and Holborn Workhouses outside Registration London.

Table 6.—LONDON.—OUTER RING. — Area; Population; Births and Deaths registered during the

				Weel	endi	ing Sa	aturda	ay, 8t	h Fel	oruar	y, 18	90.						
Regis-		Area							The D	EATHS	regist	ered iz	the V	Week i	nelude			
tration		Acres,	Enume-			Deat	ths of				Death	s from	1					
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS,	including Tidal Water and Foreshore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under I Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Ferer.	Diarrhoss	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LO	DON-OUTER RING	370,924	950,957	960	479	108	132	-	9	1	8	29	3	6	7	20	59	6
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	10 5	5	1 -	2	· ~	-					1 1	1	1	1	-
37:1	Godstone (part of) * -	2754	1235	~	2	1	1	-	-	-	1		-	-	-	1.00	-	-
38:1	Croydon WwHHL - Mitcham w †	20851 11697	101241 17932	77	57	13 1	15		8		1	6	1	1	1	4	11	-
89:1	Wimbledon HHH -	8220	15950	23	5	3	~	_	_	_	_	_	-	I-I	_	_	_	-
2	Kingston WHH	8549	36354	14	17	4	G	-		l-	-	1	-	H	1	2	1	-
3 4	Esher (part of) * - Hampton H	6601 4573	9221 13589	14	6	1	2	-	_	-	_	_	_	_	-	-	_	-
40:1	Richmond WH	2272	21302	13	9	4	3	_			-	1	-	П	_	1	1	
2	Mortlake	2941	12331	15	3	2	-	-	-	-	-	2	-		-	-	-	-
41:1	Bromley (pt. of) * HH	15669	81142	37	8	8	2	-	-	-	-		-	-	-	-	-	-
42:1	Chishrst(pt.of)* WHH Bexley H ~	14807	15844	29	8	2	4	_	-	-				1	-	1	2	
2	Dartford (Ww, pts. of)*	18487	24134	20	9	1 -	4	-	_	-		-	_	_	1 -	-	- 1	-
124:1	Sunbury w	11055	11685	8	3	2	1	-	-	- }	-	-	L-	1	-	- }	-	-
2	Staines W	13277	12089	10	8	2	2	-	1	-]	-				-	-	2	-
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 3225	7	6	3	1		-	-	-		-	-	-	-	1	-
8	Hayes wHL	14587	11523	3	9	_	3	-	_	-	-			-	1	-	7	-
126:1	Isleworth WHH -	7008	22727	14	8	2	4	-	- 1	-	-	-	- 1	-	-	1	1	-
2 3	Twickenham H Brentford HL	2477 4345	12479 27649	14	6	6	2	-	-	•	1	1	-	-	1	2	, - I	-
4	Chiswick	1340	15975	25 19	11 7	1	1 1	-	-		_	_			-	1	_	-
5	Acton wH	6082	22876	14	3	-	1	-	-	-	1	-		-	-	-	-	-
127:1	Harrow H Edgware H	13809 6994	12796 3749	11	7	1	5	-	-	-	-		-		-	-	-	-
3	Willesden	4883	27453	39	2 22	1	8	-		_	_	1	_	H	-	- }	-	
4	Hendon W	8382	10484	9	6	-	2	-	-	-	-	-	-		-	-	-	-
137:1	Bushey Watford (W. pt. of)* -	9331	6821	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
108:1	Watford (W, pt. of)* - South Mimms	15599	6391	-	1		,									-	7.	
2	Barnet	5483	10092	7 4	6	-	1 1	-	-	-	-	1		-		-	-	-
3	Finchley HL	4688	17615	12	18	-	4	-	-	-	-	-			-	1	12	-
185 3 A 129 3 A	Hatfield (part of) * -	3306	583	-		-	-	-	-	-	-				-	-	-	-
128 3 1	Hornsey H Tottenham H	3039 4642	37078 46456	40 73	18 31	3 10	9		-	1	-	1 3	1	-	-	1	2	-
8	Edmonton Ww ‡ -	7483	23463	32	8	1	5	-	-	-	-	-	-	-	-	1	2	-
5	Enfield WH Waltham Abbey	12653 11017	19104 5368	21	7	3	3	-	-	-	-	-	-				1	-
8	Cheshunt	8480	7735	5	3 6	1	1 2	-		-	-			-	-	1	-	
188:1	Stratford	882	38606	35	17	4	2	-	1	-	-	2	-	-	-	-	-	1
2 3	West Ham wwww#\$ East Ham	4055 3296	90347 10706	118	58	12	9	-	3	-	3	7	1	-	1	2	-	2
4	Leyton WwL	4372	32430	34 55	13 27	6	11	-	_	-	_	1	-	3		-	11	1
5	Walthamstow H ~	6520	28869	40	11	4	3	-	1	-	-	-	-	-	1	1	-	1
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	8	4	2	1	-	-	-	1 -	-	7	-	-	-	-	-
189:1	Romford (part of) * W	6730	3411	7	-	-	-	-	-					-			3	
2	Ilford	8493	764 5	10	3 4	_	2 -	-	-	_		-	-	-	-		-	1
3	Barking Town	4127	9203	18	4	2	-	-	-	-	1	-	-	-	-	-	-	-
					-	_	_				-			_				

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—

3): 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1255); 37:1, the garishes of Warlingham and Farley in Godstone sub-3): 2. Epsom sub-district, except the parishes of Ashatead and Headley (pop. 1235); 37:1, the parishes of Warlingham and Faviey in Goddnone sub-district is sub-district, except the parish of Esher (pop. 1933); 41: 1, Bring's sub-district, except the parish of Chefsfield (pop. 2814); 41: 2. Chaiseaurat sub-district, except the parish of Chefsfield (pop. 2814); 13:: 1, the parish of Nortaaw in Haideld 255-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 37.5); 188:: the parish of Dagenham in Romford sub-district; 283 statks in Workhouses belonging to the Outer Ring in 42:: 2, Dartford, 137: 2, Watford, and 137: 1, Epping, sub-districts.
† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Exclusive of deaths of London residents in the Martopolitan Asylum Hospitals Table 5).

Metropolitan Asylum Hospital at Plaistow (see Table 5).

^{||} On let January the two parishes of East Ham and Little Hford were separated from the registration sub district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 8th February, 1890.

	Area			L RATE			The Dz	ATHS	regi	stere	l in t	he W	eek i	nelud	e	
GREATER	in Acres,	Estimated Population,		D living.	DEATHS	Deat	hs of]	Death	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pu Institution
Cols.	1.	2. /	3,	4.	Ď∗.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
EATER LONDON	448,334	5,758,500	20.2	1.9	2228	480	595	-	17	20	32	120	5	10	65	460
INNER LONDON - OUTER RING -	77,410 370,924	4,421,661 1,336,839	20.6	1·7 2·2	1749 479	372 108	463 132	-	8	19	24 8	91 29	2	4	58 7	401 59

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 ForEign Cities, having an estimated Aggregate Population of 17,160,014 Persons.

	POPULATION				ANNUAL	DE	ATHS	FROM I	PRIN	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive o	DEATHS. f Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
ALCUTTA	433,219	December 28	-	275	33.1	1		_	1	1	84	69†
OMBAY	773,196	January 14	289	461	26.4	-	4		-	-	144	4 6†
ADRAS	398,777	December 20	-	-	-	-	-	-	-		-	-
ARIS	2,260.945	February 1	1199	1046	24.1	2	9	1	36*	24	5	50
RUSSELS th 8 Faubourgs.)	471,606	, 1	273	177	19.2	-	-	-	2	1	2	12
MSTERDAM -	403,083	,, 1	292	236	30.2	-	3		2	4	1	~
OTTERDAM -	203,486	,, 1	137	106	27.0	-	-		-	1	-	-
HE HAGUE .	153,440	, 1	107	. 68	22.5	-	-	-	-	-	-	-
OPENHAGEN -	307,000	,, 1	213	111	18.9	-	-	4	9	8	1	2
TOCKHOLM -	228,218	January 25	139	79	18.0	-	ann "	3	8*		-	10
HRISTIANIA -	138,300	February 1	44	88	33.1	-	10	1.	7	2	-	3
r. Petersburg	924,106	January 18	-	452	25.2	-	4	29	8	2	6	34
ERLIN	1,526,887	" 18	924	669	22.8	-	6	13	37	7	3	33
[AMBURG(State)	575,276	"	370	327 .	29.6	-	-	1	8*	2	3	42
RESDEN	269,250	,, 25	140	132	25.6	-		-	3*	~	-	4
RESLAU	324,143	February 1	235	176	28.8	-	-		6*	-	2	9
IUNICH	298,000	January 25	213	183	32.7	-	8	1	4*		-	19
IRNNA	822,176	,, 25	511	434	27.4	-	3	-	4	1		11
RAGUE	304,356	,, 25	_	207	35.5	-	2	2	. 5	2	3	4
BUDA-PESTE -	463,017	, 25	320	356	40.0	-	3	1	9	1	3	30
RIESTE	160,092	February 1	113	119	39*7	-	0.	_		-		
COMB	409,692	November 30	248	230	29.3	-	-	1	5	-	17‡	21
CUBIN (11 days)-	306,398	December 31	284	258	27.9	T.,	4	-	6*	2	9	8
ENICE	156,515	January 25	76	132	44.0	17	-	-	6 1/k		-	3
DATRO	374,838	, 16	399	405	56.3	1	-	-	1	4	13	118
LEXANDRIA -	231,396	,, 16	241	195	43.9	2	-	-	-	-	8	38
NEW YORK -	1,595,547	,, 18	-	1151	37.6	-	2	9	24	14	2	- 16
SROOKLYN -	852,467	,, 18	-	586	85.9		3	4	18		1	3
HILADELPHIA .	1,040,245	, 18	-	777	38.9	-	5	1	14	1	33	5
BALTIMORE -	500,343	D. 18	-	286	29.8 21.4	-	10	_1	5	-	3 4	3 6
NEW ORLEANS -	254,000 {	December 28 January 4	-	104 130	26.7	-	-	-	-	-	4	9

Including deaths from croup.
 Including 22 deaths from cholera in Calcutta, and 8 in Bombay.
 Including 12 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, February Str., 1890. [Under the Superintendence of the Astronomer Royal.]

	collected		surface is 5 inches above the Ground.	in. 0.01 0.0	0.0 00	0.0	0.0	0.0	0.0	0.0	0.0	27	II II	and	aice	sro	gug.	low and the	The	hov	o in	5
	collecter		ar- rom shove age the ars. Ground.	in. 0.01	90								68	uss.	op Prince	raj		D T D	-* 50	3, 72	27.5	4
		son's.	age age		00.0	00.0	0.03	0.05	00.0	0.00	Sum 0.05	26	of the s	rmomet m a disc aromete mean re	the may re of the rare de	photog	1875. "higher,"	wo feet Deptforcons ons fror	rometer	trument	eek to 30	
		U)	Departure from Average of 16 Years.	Miles. -145	-239	-280	- 74	1 558	- 27	66 -	Sum -922	25	an level	bulb the uced fro for the b	eadings of the maximum temperature of the air of humidity are deduced	n of the	ending	rket at instruction	ng Electilerate;	Sunshine Instrument, shown nderstood as applying to the	of the w	-
I B		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	102	197	266	281	310	235	Sum 1450	24	ve the mes	the wet better the ctions ded ding 1873	of the read	discussion distant	e 16 years that + in	d at a dep Cattle Mai under in	derived from Thomson's self-registering Electrometer.	kes Sunsh	beginning he4th; in	the week.
nomete		che.	Mean of 24 hourly obs.	lbs.	0.0	0.0	0.5	0.1	7.0	0.5	:	23	et abo sea le P.M.:	corrections of the corrections o	mean ily va and d	irom 8 1868, a	for th mind	reign raign farket	r's sell	ell-Sto	at the	nd of
om Ane		Pressure on the Square Foot.	Least.	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fe luce to	nomet tion of inty ye momet	rected an darature	rived	ecords rne in	are sus	ive; w	Campbell-Stokes ch day.	00 in.	y the e
luced fr		Press	Great.	lbs.	0.0	1.0	2.4	1.1	2.2	00 00	:	21	eter is to red	o therr pplica he twe	he corribe me temper	hat de	etric r	es of terk of	om Ti negati	on eac	om 30 in. by	Sin. b
Wind as deduced from Anemometers	Osler's.	General Direction.	P.M.	ż	Calm.	NE. &,N.	NNE. & N.	ENE.	ENE.	ENE. & E.	DINE.	20	of the baron of the readings	r, the dry bull alues by the a nade during t	is combined the corrected mean of the rs. forming the mean daily value of Yew you've and degree of the dry and war, built thermometry of the dry and war, built thermometry.	of the air is t	f the anemom and 25 it will	rater of the Tr e of the jetti d by the Cle	is derived fr positive; N.	derived from the ght sunshine on eaceorological observa	o midnight. er increased from to 29°89	1.080.
			A.M.	SSW. & SW.	N.'s WSW.	Calm.	NNW. &	NNE. & NE.	ENE.	ENE, & E.	ENE. &	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no Ortection has been applied to the readings to reduce to sea level. Observations are result taken at the A.M. FROM: 301, P.M.: 301 91, P.M. The means of the	over targing of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are over-readings of the barometer, the dry bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and dry in the twenty vears ending 1885 for the thermometers. With the corrected mean reading	of the dry built thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air column 8. The mean daily dew point temperature and degree of hundity are deduced from the mean degree of the dry and war built thermometers by Glathers Human	metrical Tables. The average temperature of the air is that derived from a discussion of the photographic provide at Greenwich during the 20 years ending 1898, and that of horizontal movement.	of the air from a discussion of the anomometric records for the 16 years ending 1875, In reading the columns 9 and 25 it will be borne in mind that + indicates "high - "Fower," than the average.	The thermometers in the water of the Thannes are suspended at a depth of two feet below the surface, at the end of one of the jettles of the Foreign Cartiel Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	On promote The record of Electricity is derived from Thomson's self-registering Electrometer. The record of Electricity is positive; N. negative; w. weak; m. moderate; s. strong warning of the control	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreemed curration of Dright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the	civil day, or from midnight to midnight. The reading of the baycometer increased from 30°00 in. at the beginning of the week to 30°29 in. by the parting of the baycometer increased from 10°00 in. by 90. P.M. on the 440 i increased to 30°39 in. by 90. P.M. on the 3701 commenced to 20°39 in. by 90. P.M. on the 440 i increased to 30°35 in by	7th; and uec
	Water	of the Thames at Deptford.	Low.	•:	:	:	:	:	:	:	:	18	ight of has b	ngs of into	bulb imum s). T	Tables erage	from the the	ce, at 1	cord c	mbers gate d	or fro	on the
RATUR	Of the	of the	High-	۰:	:	:	:	:	:	:	:	17	The hei	readi vertecthe pho	of the dry bul and minimu (column 8).	metrical Tables. The average to	he air	The the surfacility rea	The rendered	The nu	il day, Pherez	P.M. C
TEMPERATURE		f tion.	Lowest on the Grass.	30.0	23.3	23.9	6.08	30.0	28.6	25.2	F. 12	16	Cor	**		i me		the		=======================================	civ	o d
T		Of Radiation.	High- est in Sun's Rays.	52.2	0.44	44.3	0.25	0.49	2.09	87.1	26.0	15		ernoon it.	se haz	ernoon	ıt rain	*	elouds	and bright till		
	Degree	of Hu- midity (Satu-	equals 100).	94	93	98	93	87	83	82	68	14	S.	till aft at nigl	ith der	fog till afternoon afterwards.	al slig	morning.	light			
Meen			Least.	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.2	13	MARK	vercast	dless w	se fog idy afte	with oceasional slight rain;	rain in	variable	y fine		
nee het	the Air Temperature and Dew Point	Temperature.	Great-	9.4	80	7.2	2.1	7.3	2.9	₹.01	9.4	12	L RE	ning; cl	cloudy	ng; den	, with	w and rain		ng; vei		
Difference between TEMPI	the Air	Ten	Mean daily value.	0.1	1.9	1.8	1.8	3.6	4.8	2.1	6.3	12	GENERAL REMARKS	rly mor in even	morning	frost in morning; dense evening; generally cloudy	fternoor	Generally cloudy; snow	afternoon;	morni at nigh		
	Of the	Dew Point.	Mean daily value.	39.1	32.1	33.4	37.6	34.3	9.78	30.3	34.2	10	GE	y in eas	ost in 1	rost in vening;	st till af wards.	lly cloud	st till is.	rost in cloudy		
URE.			De- from Average of 2'' years.	0 +	1.9 -	1 5.0	- 1.2	1 2.5	2.8	1 4.5	1 3.3	6		Showery in early morning; overcast till afternoon partially cloudy in evening; cloudless at night.	Hoar frost in morning; cloudless with dense haze till atternoon; partially cloudy and foggy atterwards.	Hoar f	Overcast till afternoon, fine atterwards.	General	Overcast afterwards.	Hoar frost in morning; very evening; cloudy at night.		
RATU		dr.	Mean daily value.	40.7	34.0	35.2	39.₹	87.9	37.4	35.4	37.1	œ	above prizon, hours.	2.6	8.5	8.6	0.3	9.4	9.4	9.2	Sum 65.3	30
TEMPERAT		Of the Air.	Daily Range.	0 12.9	13.4	13.0	₹.4	8.5	8.4	11.1	2.01	7	red Sur ne, Ho									
П			Low-	0.78	27.7	29.4	36.1	34.1	83.0	29.6	52.0	9	Registered Sun above Sunshine, Horizon, in hours.	0.0	0.0	0.8	0.0	1.9	0.0	6.9	Sum 9.5	29
			High-	946.9	41.1	42.4	43.5	49.3	41.4	41.3	42.7	lic.	of e.)	ning,	; uooı	; uoo	•	ing;	•			
BARO-			rected and reduced to \$20 Fahren.	in. 30.067	30.240	29.956	29.042	30.083	30.236	30.503	30.104	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. in morning, m. P. afterwards.	m. P. till afferfloon;	s. P. till afternoon; m. P. afterwards.	w. P. generally	w. P. in morning; P. afterwards.	P. generally			28
		Phases of the	Moon.	Greatest Dec. N.		:	Full.	:	:	:	:	8	(For esymbo	w. P. a.	m. P.	в. Р.	w.P.	w. P.	m. P.	8, T.		
		3	AMA.	. 2	es	4	10	9	7	00		ol.	g. ny.	Q1 	63	44	19 M	9		00		1
	1000	Ton	Month and Day,	FEBRUARY.	Mon.	TUES.	WED.	THURS.	FBI.	SAT.	MEANS	No. of Col	DATE. February.	SUNDAY	Monday	TUESDAY	Wednesday	THURSDAY	FRIDAY	SATURDAY		No. of Col.

OFFICIAL COPY.

WEEKLY RETURN

DEATHS LONDON BIRTHS AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, FEBRUARY 15. No. 7. 1890, Vol. LI.

> General Register Office, Somerset House, 17th February, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 25.3 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

•	1	Weeks	ending			Weeks	ending	
Towns.	Jan. 25.	Feb.	Feb.	Feb. 15.	Towns. Jan. 25.	Feb.	Feb. 8.	Feb. 15.
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Derby - Halifax - Huddersfield	17.9 22.9 21.5 23.9 19.5 20.2 27.2 21.4 15.0 24.8 17.7	26·5 27·0 20·7 22·8 24·5 26·7 19·2 17·1 19·1 23·8	19·4 26·1 23·2 20·7 23·2 22·8 34·8 22·7 18·6 22·2 19·9 20·5	23·8 30·6 23·2 33·8 22·3 22·8 27·5 24·5 21·7 26·7 26·0	London	21·8 29·3 25·9 21·9 14·5 21·7 28·5 20·1 24·3 21·3		21·3 38·6 28·2 24·1 24·1 30·9 34·4 23·0 27·8 26·0
Hull Leeds - Leicester -	$27 \cdot 1$	24.7	25·5 16·6	30.1	Sunderland - 18.3	28.6	25·6 25·6	27.5

The highest annual death-rates, measured by last week's mortality, were:-from whooping-cough, 1.3 in Salford, in Brighton, in Wolverhampton, and in Cardiff, 1.4 in London, 1.5 in Hull, 2.2 in Bristol, and 2.7 in Bolton; and from measles, 1.0 in Liverpool. In none of the twenty-eight towns did the death-rate from scarlet fever or from "fever" reach 1.0 per 1000. The 67 deaths from diphtheria in these towns included 39 in London, 4 in Liverpool, 4 in Manchester, 4 in Salford, 3 in Preston, 2 in Bolton, 2 in Sheffield, and 2 in Hull. No death from small-pox was registered in any of the twenty-eight great towns.

LONDON.

Allowing for In London 2793 births and 1809 deaths were registered. increase of population, the births were 110, and the deaths 58, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the five preceding weeks from 32.4 to 20.6, rose again last week to 21.3. During the first seven weeks of the current quarter the death-rate averaged 26.1 per 1000, and was 2.9 above the mean rate in the corresponding periods of the ten years 1880-89; the mean

61202.-7. 610.-2/90. Wt.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

death-rate during the same period in the twenty-seven provincial towns was 24.6

per 1000.

The 1809 deaths included 21 from measles, 14 from scarlet fever, 39 from diphtheria, 115 from whooping-cough, 12 from enteric fever, 1 from an un-defined form of continued fever, 6 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 208 deaths were referred to these diseases, being 12 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 13; 5 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and one in the Highgate Small-pox Hospital. cases of measles, which had declined in the six preceding weeks from 36 to 8, rose again last week to 21, but were 11 below the corrected average; 3 belonged to Paddington and 4 to Islington sanitary areas. The deaths from scarlet fever, which had been 14 and 19 in the two previous weeks, were last week 14, and were 13 below the corrected average; 2 belonged to Fulham, 2 to Lambeth, and 2 to Camberwell sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1265 scarlet fever patients at the end of the week, against numbers declining in the six preceding weeks from 1609 to 1298; 63 cases were admitted to these hospitals during the week, against 99 and 75 in the two previous weeks. The deaths from diphtheria, which had been 24 in each of the two preceding weeks, rose last week to 39, and exceeded the corrected average by 22; 3 belonged to Pancras, 2 to Marylebone, 2 to Islington, 2 to Clerkenwell, 2 to Shoreditch, 4 to Bethnal Green, 2 to Stepney, 4 to Poplar, 2 to Camberwell, and 3 to Plumstead sanitary areas. The 115 fatal cases of whooping-cough showed a further increase of 24 upon the numbers in the two preceding weeks, and exceeded the corrected average by 17; 8 belonged to Pancras, 5 to Shoreditch, 7 to Bethnal Green, 5 to Mile End Old Town, 6 to Poplar, 8 to Lambeth, 6 to Battersea, 7 to Wandsworth, 13 to Camberwell, 6 to Greenwich, and 5 to Plumstead sanitary areas. The deaths attributed to diarrhea and dysentery, which had been 14, 9, and 4 in the three preceding weeks, rose again last week to 6, but were 8 below the corrected average.

The deaths referred to enteric fever, which had declined in the four preceding weeks from 14 to 2, rose again last week to 12, but were 4 below the corrected average. The Metropolitan Asylum Hospitals contained 62 cases of enteric fever and 2 of typhus on Saturday last; 2 cases of enteric fever were admitted during

the week, against 5 and 4 in the two preceding weeks.

The deaths primarily attributed to *influenza*, which had declined in the four preceding weeks from 127 to 38, further declined last week to 30; of these, 14 occurred in the south, 6 in the central, 5 in the north, 4 in the west, and 1 in the east groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had declined in the five preceding weeks from 1069 to 485, further fell last week to 439, and were

86 below the corrected average.

Different forms of violence caused 56 deaths, concerning all of which inquests were held. Of these 56 deaths, 5 were cases of suicide, while the remaining 51 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 11 by burns or sealds, 2 by poison, 6 by drowning, and 12 (including 11 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3634 births and 2246 deaths were registered, corresponding to annual rates of 32.9 and 20.3 per 1000 of the estimated population. In the Outer Ring 23 deaths from whooping-cough, 5 from diphtheria, and 4 from measles were registered. The fatal cases of whooping-cough included 6 in West Ham, 3 in East Ham, and 3 in Tottenham sub-districts. Two deaths from diphtheria were returned in Uxbridge and 2 from measles in Edgware sub-districts.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during January will be found on pages 65-66.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.78 ins.; the highest reading was 30.17 ins. on Monday evening and the lowest 29.21 ins. on Saturday afternoon. The mean temperature of the air was 35°.9, and 3°.1 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on each day of the week, the coldest day being Wednesday. The general direction of the wind was E., and the horizontal movement of the air averaged 10.0 miles per hour, which was 3.1 miles below the average in the corresponding weeks of 16 years. Rain fell on Friday and Saturday to the aggregate amount of 0.88 of an inch. The duration of registered bright sunshine in the week was 31.2 hours, against 27.4 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of January 1890; according to their returns 161,955,888 gallons or 735,840 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 213 gallons (96.8 decalitres), being rather less than a ton by weight, to each house, and, assuming 7.8 persons to each house, 27.4 gallons (12.4 decalitres) to each person, against 26.9 gallons in January 1889.

COMPANIES.	Number of suppli	Houses, &c.	Average daily S in Ga	upply of Water
	JANUARY. 1889.	JANUARY. 1890.	JANUARY. 1889.	JANUARY. 1890.
TOTAL SUPPLY	747,067	758,626	156,769,477	161,955,888
From Thames	359,910 387,157	365,776 392,850	76,854,783 79,914,694	\$2,666,662 79,289,226
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	 34,806 71,095 110,483 55,138 88,388	35,226 72,562 111,794 55,905 90,289	8,814,086 14,087,905 21,204,798 16,456,594 16,291,400	9,171,764 14,750,282 23,389,536 16,658,380 18,696,700
LEA AND OTHER SOURCES. New River East London Kent	 151,933 163,636 71,588	153,138 166,369 73,343	29,057,000 39,569,152 11,288,542	28,451,000 39,451,437 11,386,789

Note.—The Return for January 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,559 houses, and of 5,186,411 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATER SUPPLY DURING JANUARY.

Water-analysis Laboratory, The Yews, Reigate, 8th February, 1890.

Sir,

I have to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the

month of January.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0.5, Tottenham 1.1, Colne Valley 1.6, New River 2.7, East London 3.9, Lambeth 4.4, Chelsea 4.5, West Middlesex 4.6, Southwark 4.9, and Grand Junction 5.0.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was much inferior in quality to that delivered at the close of last year. The heavy rains in the early part of the month washed much polluting matter into the river and taxed the filters of the Companies severely. Nevertheless, in every case, the water was delivered

clear and efficiently filtered.

The water obtained chiefly from the River Lea by the New River and East London Companies was also inferior to that delivered in December, but still superior to the best of the Thames derived

waters. It was also efficiently filtered.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health are unaffected by floods and were of their usual high degree of organic purity, the Kent Company's supply being again especially distinguished in this respect. All these waters were clear and bright. That of the Colne Valley Company was softened before delivery, and was thus rendered suitable for washing.

Seen through a stratum two feet deep, the waters presented the following appearances:-Kent, Colne Valley, and Tottenham, clear and colourless; New River and East London, clear and

very pale yellow; all the Thames derived waters, clear and pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "slightly turbid and yellowish-green in the two-foot tube. There was a rise in "the amount of organic carbon and nitrogen over the quantities contained in the samples of the " last three months; but a diminution in the quantity of nitric nitrogen."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little " suspended matter. The temperature, hardness, and suspended matter were unusually high; the

organic carbon exceptionally low."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

		EIS OF HUNDERS EXTRESS				_				_	
OR	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.	January 17th, Cab Rank, Horse Guards, Whitehall.	7.5	32.84	•211	*052	0	*292	*344	1.8	22.4
	West Middlesex -	{Cab Rank, Portland-road.}	8.9	35.16	*236	.033	0	*292	*325	1.8	22*4
	Southwark	January 17th, Cab Rank, Bricklayers Arms, Old Kent-road.	8.1	33.96	•244	*046	0	•287	*333	1.8	23.6
Inner Circle.	Grand Junction -	January 17th, Cab Rank, Uxbridge-road, near Marble Arch.	8.1	34°16	•247	*046	0	*332	•378	1.9	23.9
Inner	Lambeth	January 17th, Cab Rank, St. George's- road, Southwark.	7.8	33.64	•220	•037	0	*293	*330	1.9	23.0
	LEA. New River	January 17th, Cab Rank, Tottenham Court-road.	7.8	32.70	•129	*029	0	*354	•383	1.8	23.9
	East London -	January 17th, Fire Brigade Station, Commercial-road, E.	8.0	39.40	*200	•031	0	*320	*351	2.0	26.9
6	DREP WELLS.	{ January 17th, Mill Lane, Deptford. }	12.0	37:44	•023	*005	0	*425	*430	2.6	29.0
Circl	Colne Valley	January 21st, Bushey.		18.36	•073	•020	•002	•442	*464	2.1	7:7
Outer Circle,	Tottenham	{ January 21st, Tottenham. }	-	40.20	•049	•018	.070	•009	•085	2.9	23.6
Cor	poration of Birming- am*	January 6th, 7 Court, Allison street,	6.7	32*36	*210	*034	•001	•165	•200	1.6	18.0
Cor	poration of Glasgowt-	{ January 15th, Loch Katrine Water. }	6.0	2.70	;104	•032	0	.003	•035	7.5	1.82
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

^{*} Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to read thus:—the Chelsea Company's water, collected on the 17th January, at the Horse Guards cab-rank, had a temperature of 7°.5 C.; 100,000 lbs. of it contained 32.84 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained .211 lb. of carbon and 052 lb. of nitrogen. The above quantity of water also contained no ammonia, and '292 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '344 lb. The above weight of water also contained 1.8 lbs. of chlorine; and 22.4 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

										.,		_				_			0,0		00															
	CITIES	AND BOROUGHS,	.Cols.	m 00	- 28 TOWNS.	LONDON,	PORTSMOUTH	NORWICH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	LEICEBTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON,	MANCHESTER.	SALFORD.	ULDHAM.	BLACKBURN.	HERSTON.	HALTRAY.	C	BEADFOED.	Suppositor.	TITLE TO THE TOTAL	Company	SUNDERLAND.	INEWCASTLE.	CARDIFF.		EDINBURGH.	Drange W.	DOBRADO
	ALL.	n Centi- metres.	I Z	1010	21.1	2.24	E E	1	98.0	0.41	T 42	8	1 0	27.0	1	1 000	0.28	B			8	8	1 2		0000	0.33	t. 1	11.	2 1	I S	0.40	1		00.0	1# O	3
	IVAINFALL	Inebes.	11 83		0.44	0.88	4 1	ı	%1.0	0.16	99.0	ı	1 700	0.11	ı	1 7	07.0	3	2	1	ı	1	1 1		1	0.13	1 1	0000	80.0		0.18	1		00.0	07.0	0 75
AIR.	lu.	.obsrzijan	9D 83			71.3	1 4	1	3.26	00.1	U.44	1	1 00	200.2	1 1	1.00	07.7	ı	ı	ı	1	1		-	-	00.2		1 0000	00.7	1 9	76.I	T'		19.0	00.0	200 7
OF THE	Mean.	·tiednerd	EH .:			00 00 00 00 00 00		1		90 0	00 00	£		200	1	0.76	0 80	ı	ı	•	1	E	1 1			9.00		_	7		32.5	1		-	000.00	7 10
TEMPERATURE OF THE AIR.	.*9	Lowes	20.			27:72					24.5			2.82	1		28.52	ı		1	1	1	ı			21.5	1				32.0	1	- =	=	0.97	
EMPER	*31	Highes Lowes	19.	-		44.5		1			6. T#			42.1	i p	0.06		1	A		1		r -			· · · ·	ı				? 0.0 1	1			7.17	
-	eaths	From iseases in ols. 6-12.		-		0 00	_			8.7 2.3	~~	2.0	-	-	1.1	_	_	0	60.00	2.4	7.0	0 10	9.0		-	0.0	0 1	_	_	_	1.0	1.8	- -		20.00	
Annual Rate per 1000,	corresponding to the Week's Deaths	rom All Causes.		0 20	20.00	21.3	0.83	24.1	34.4	27.5	7.00	9.08	7. 87	1 42	0.77	0.13	00.00	0	98.8	0.92	8.00	20.7	0.96	4.96		0.77	7 00	0.15	T.07	27.5	28.5	24.5			32.2	
-	[· U18:	onitreonU ou lo seeur	16.	-	Ø		1	-		00 1	-		*****	23	1		-	2.2	_	10	-			2	1	20		_	20	_	es	_	-		42	
		Deaths in Public MoitutitanI	_	000		13	27	41	49	200	0	62	11	20	07	-	77	=======================================		16	41	10 I	<u></u>		-	12	121	14	10	12	18	-	CHEST WANTED		42 4	
		aso tasupt		100	762	137	63	ල	g-mil	Lo 1		12	01.	9 :	eo 1	- 9	18	41	27	20	1	4	9	\$ r		63	9	00	00	₩	10	30	-	Q.,	٥.	4
nde	-	•9эпөјој	V Si			56	67	63	,	10 r	-	10	67 -	4	-	1 7	14	24	10		3		က	å r	-	6.2	62	ော	c)	4	10	9		63	13	10
k incl		.smirings.	12 D	100	200	9 1	1	1	ı	1 ,	-	1	(2	1	-	23	က	4	တ	ı	1	ı		ŧ	г		c7	ı	1	1		-	4	-	-
e Wee		.1943	E	100	31	S 1	1-1	1	1	1 :		-	E 1	Н	1	1 1	p=4 :	-1	c3	တ	1		ä	1	ı	1	ে	1	1	C3	67	1		1	4	20
The DEATHS registered in the Week include	from	hooping-	10.	1 9	188	115) p=1	1		10	33	4	1	63	-	63	133	9	00	9	1	1	1	ı	1	ı	99	; ;(9	-	-	00		6	13	H
gister	Deaths from	.sirehtheria.	a si	1 30	29	39	1 1	1	p=4	1	-	-	-	1	1	1		67	43	4	1	-	22	1		ž	1	67	67	2	-	1	1	4	67	1
THRE	Q	riet. Fever.	os o	1 1	53	14	ı	1	г		1	ಸ್ತ	-	ı	1	1	H		4	ಣ	67	1	1	t :		1	က	c3		-	6	1 1		-	6.1	1
16 DEA		essles.	M	1 :	49	21	1	1	ı	67	1	10	1	1	-	1	12	Н	61	П	1	1	ı	1	1	67	t	1	1	1	1	1		18	12	13
ā		.xoq-lisa	us o	-	1	1	1 1	1	1	1	1	1	5	1	1	ı	ı	1	1	1		3	1	1	1	1	1	i	1	1	1	ı		1	1	ì
ı	is of	rsons aged of Years dupwards.	Sur Sur Sur Sur Sur Sur Sur Sur Sur Sur		1183	471	1.0	13	21	22	15	200	11	31	17	14	63	13	29	18	22	15	13	10	14	23	47	46	31	17	100	L.		23	19	22
	Deaths	ants under Year of Age.	1 4		888	352	9 [1	10	. 9	19	12	40	22	21	6	1 2	10	10	53	23	20	12	14	15	10	7	41	32	18	21	70	20		19	63	44
	gaipa		97		4723	1809	54 40	44	52	167	55	2/71	73	113	42	48	365	75	281	121	28	55	26	47	42	103	210	174	103	72	00	20.00		121	331	256
	the Week ending	BIRTHS, DEAT	6		6103	2793	200	74	65	135	12	292	831	125	90	45	333	98	289	130	89	06	67	89	45	126	245	227	139	68	117	98		146	319	175
-	POPULATION th			İ	9,715,559	4,421,661	123,659	142,952	78.780	232,248	83,406	461.865	154,844	244,909	100,871	105,049	613,463	115,846	879.487	242.509	146,716	123,553	105,163	94,253	82,034	240,515	868,799	332,837	213,833	186,506	162.987	117,012		271,135	530,208	353,082
-			9600	COTO:	•	٠	•				MOL	•		•		•	٠		•	•	•	•		· 03	•	•	•	•		•	•	•				•
	831447	AND BORUUGHS.			28 Towns	LONDON .	BRIGHTON	PORTEMOUTH	NORWICH	BRISTOL	WOLVERHAMPTON	BIDWINGHAM	LEICESTER .	NOTTINGHAM	TREET .	RIRENBEAD	LIVERPOOL .	BOLTON -	TA A WOOD BATTER	SALFORD .	OLDHAM.	BLACKBURN .	PRESTON .	HUDDERSFIELD	HALIFAX .	BRADFORD .	LEEDS -	SHEFFIELD .	HULL .	SUNDEBLAND	NEWCASTLE .	CARDIER .		EDINBURGH -	GLASGOW .	DUBLIN

Table 2. LONDON .- Births and Deaths Registered in the Seventh Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.**	1890
Total Births Males Females .	2659	2841	2674	2732	2649	2526	2849	2612	2569	2511	2903·0	2793
	1346	1402	1367	1354	1363	1268	1512	1325	1298	1334	1479·6	1461
	1313	1439	1307	1378	1286	1258	1337	1287	1271	1177	1423·4	1332
TOTAL Deaths Males Females .	2016	1564	2188	1525	1528	1497	2035	1560	1689	1516	1866·7	1809
	1007	852	1065	766	788	765	1023	803	841	744	943·7	904
	1009	712	1123	759	740	732	1012	757	848	772	923·0	905

^{*} The numbers in this column are the average weekly numbers in the seventh weeks of the ten years 1980-89, raised by 9 046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

												1	1
	Nov. 23.	Nov. 30.	Dec. 7.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb.	Feb. 8.	Feb. 15.
TOTAL Births	2517	2321	2270	2535	2513	1815	2961	2818	2714	2510	2699	2707	2793
Total Deaths	1375	1448	1683	1768	1816	1690	2371	2747	2720	2227	1849	1749	1809
Ages at $\begin{cases} 0-20 \text{ years} & -20-40 & -40-60 & -60-80 & -80 \end{cases}$ Death $\begin{cases} 0-20 \text{ years} & -20-80 & -20-$	660 176 259 222 · 55	647 184 266 292 59	713 196 294 392 88	719 227 312 418 92	723 216 348 424 105	651 220 332 396 91	834 346 541 552 98	939 367 670 640 131	909 450 666 576 119	775 349 510 503 90	703 282 369 390 105	714 238 334 363 100	763 218 357 390 81
"" {Under 1 year - 1-5 - 5-20	335 233 93	333 227 87	353 265 95	375 247 97	364 261 98	326 232 93	398 310 126	430 375 134	415 344 150	386 294 95	350 250 103	372 254 88	352 306 105
Deaths from Small-pox ,, Measles , Scarlet fever	33 17	18	41 24	30	- 35 22	29 14	36 15	24 13	24 22	21 10	- 11 14	- 8 19	21 14
,, ,, Diphtheria - ,, ,, Whooping-cough	30 31	33	47	35 49	27 60 1	26 67 2	32 98	26 112	22 104	22 82 1	24 67	24 91	39 115
,, ,, Enteric fever ,, ,, SimpleContafever ,, Diarrhea and)	22	15.	8 2	15	12	13	12	11	14 1	10	9	2 -	12
Dysentery - 5	17	12	12	14	13	19	10	12	6	14	9	4	6
" ", all the above- mentioned Diseases	152	142	181	155	170	170	203	199	193	160	134	148	208
,, ,, Dis. of Respira- tory System	328	345	432	552	518	467	843	1069	1010	736	550	485	439
,, ,, Phthisis - ,, Dis. of Circula- tory System	113	183 126	161 165	182 163	161 189	180 158	247	267 275	312 209	239 193	220 116	209 154	215 143
Violent Deaths Inquest Cases Deaths in Public Institutions	57 114 314	53 113 336	56 128 358	55 124 422	69 156 419	47 121 400	91 195 4 94	55 192 534	65 171 626	60 142 491	62 127 470	58 125 401	56 137 437
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	44·9 48·2 41·3	37·6 43·4 32·0	32·1 35·8 27·8	38·1 42·5 31·9	43°5 47°3 38°1	39·8 44·0 35·2	32·8 36·7 28·5	47.6 52.4 43.0	45·5 50·6 39·4	42·7 48·4 36·9	42·9 48·3 38·2	37·1 42·7 32·0	35.9 41.7 30.8
Humidity of the Air	94	84	85	92	94	90	97	89	86	84	90	89	87
Rain-fall in inches Registered Sunshine (in hours)	0.0	0·32 5·9	0·23 8·4	0.23	2.1	3.2	5.0	10.1	0·13 7·3	14.9	0·73 8·9	9.5	0·88 31·2

METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield. Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-hampton: Henry Tomkins, Esq., M.D., Leicester: Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingmam; J. Hartnup, Esq., F.R.A.S., Liverpool: H.O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull: A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different Causes in the Seventh Week of the Year 1890.

					S	EVI	ENT	н \	Veel	of the Year 1890.									
	years	3	aturd		5th 1	Febr	uary	1890).		for the	S	atur	In th	15th	Febr	uary	1890	
	120		De	eaths tl	of P	Perso ges	ns o	t					D	eath	s of H		ns of	£	
USES OF DEATH.	ted Averages Veeks of the 1 1880-89.*	8.	ľ	Jnder 20.		under 40.	under 60.	under 80.	and 8.	CAUSES OF DEATH.	Avera ka of t 1880-8	802		Unde 20.		under 40.	under 60.	ler 80.	and 8.
	Corrected 7th Week	ALL AGES.	0-1.	1-6.	5-20.	20 and un	to and un	un pue 09	so Years		Corrected Averages 7th Weeks of the 1	ALL AGES	0-1.	1-5.	5-20.	20 and un	40 and un	o and un	oo Years upwards
L CAUSES	1866.7	1	352	1 1		1	1	Ī	1	Diseases of Organs of Special Sense †	1.5	2	1	-	1	_	-	_	
Vaccinated; -	} _{13·4} {	-	-	-	-	-	-	-	-	Diseases of Circulatory	127.8	143	2	3	9	14	51	55	9
No Statement	81.6	21	5	15	1	-	-	-	-	Croup	14.9	13	-	10	3	-	-		Ē
rlet Fever hus apsing Fever †	27°0 0°7 0:0	14	-	10	5 -		-	-		Bronehitis Pueumonia Pleurisy Other Diseases of Respi-	337°1 122°4 6°2 44°7	283 91 8 44	59 14 1 8	47 32 - 10	2 4 2 1	9 5 2 2	19 19 1	104 16 2 12	20 1 - 2
uenza ooping-cough	97.8	30	4 45	67	3	3	12	7	1 -	Dentition †	17:7	20	11	9					
htheria ple Continued and l-defined Fever - }	2.1	39	-	1	7	1	-	-	-	Quinsy, Sore Throat † - Enteritis Peritonitis Diseases of Liver	1.6 7.5 6.7 26.2	3 8 9 33	3 2 4	1 - 1 -	1 - 2	1 - 2	2 3 16	1 2 3 8	1
eric Fever lera	16·4 0·3 13·8	12 - 6	- 2	-	5	6	1 -	- 2	1	Other Diseases of Digestive System -}	31.2	25	4	1	5	3	3	8	1
nittent Fever† rophobia	0.0	-	-	-	-	-	- 1		1 1 1	Diseases of Lymphatic System & of Ductless Glands † }	3.0	1	-	-	1	-	-	-	-
pox and Effects of }	0*8	- 11	6	2	-	-	1	-		Diseases of Urinary }	43.1	46	-	1	2	6	12	19	6
ereal Affections – sipelas – – – mis and Septicæmia †	6·7 1·7	6 4	2	-	1 -	1 1	2	2 -		Diseases of Generative	6.0	7		-	1	2	3	1	-
peral Fever r Zymotic Diseases †	7·2 2·3	3	1	1	-	3	1 -	-	-	Accidents of Childbirth - Diseases of Locomotive	5.2	5			-	5	-	-	
ush	2·1 0·4	5 1	5	-	-	-	-	-	-	System † } Diseases of Integumen-}	8.7	11		1	5	1	2	2	Ė
vation, Want of	2.2	-	_	_	_	_				tary System}	7.0			-		-	1	1	-
east-milk †} holism	3.6	6	-	-	_	-	5	1	-	VIOLENT DEATHS.§ (Accident.)									ı
imatic Fever, umatism of Heart†}	7.2	6	-	-	3	2	1	1	1	Fracture and Contusion Gunshot Wound Cut, Stab Burn and Scald	21.8 0.0 0.2 7.6	17 - 11	-	1 - 4	5	1 - 2	6 - 2	4 - 3	1
ots†	4°3 5°9 50°9	3 5 68	-	5	-	-	1 -	2 -	-	Poison	2·1 4·0 16·2 2·4	2 6 1 1	11	1	1	1	2	3 -	1 1 1
s Mesenterica - roular Meningitis -	24.5	21 24	14 9	5	2 5	6	35	25	1 -	(Homicide.)						_			-
isis ula, Tuberculosis - Constitutional	18.0	215 19	4		5	08	83	7	-	Murder & Manslaughter	1.2		-	-	-	-	-	-	_
leases † }	9'1	15	-	-	-	3	7	4	1	(SUICIDE.) Gunshot Wound Cut, Stab	0·2 1·0	1	11	-	-	1	1	-	1 1
etasis † enital Malforma- (37.4 3.1 8.4	37 - 4	37	-	- 1	-	-	-	-	Poison	1.3 1.5 2.2 0.5	1 1 -				1	1111	1	1111
18	62.9	61	-	-	-	_	-	33	28	(EXECUTION.)					-		- 1		7
lexy psy ulsions	43°3 8°8 53°5	47 8 49	1 39 1	10	1	5	13	28 3	2	Hanging	0.0	-	-	-	-	-	-	-	-
Discourage of Proint	105.3	90		- 1	6 1	11 1	15	26	6	OTHER CAUSES †	65*4	47	41	2	-	-	2	2	-
he numbers in this col	lumn are	the av	verage	e wee	kly	Deat	ths f	or th	e teu	years 1880-89, raised by 9°04	6 per cen	t. for i	neres	150 O	f pop	ulati	од.		

he numbers in this column are the average weekly Deaths for the ten years 1889-9, raised by 9'046 per cent. for increase of population, as the ten years average could not be correctly ascertained, the average to the eight years 1832-9 has been used.

10se cases of small-pox only are returned as "vaccinated" or as "uavaccinated" which are so certified by registered medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of leath is not certified by a registered idoner, the case is returned under the heading "no sevement."

10 evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, marder, laughter, or suicide. All such cases are classed under "accident or negligence."

Table *. LONDON .- Forulation; Births; Deaths from all Causes, and from Small-pox, Measles, Scarles during the Week ending

				The DEATHS registered in the Week include														4
	Enume-			Deat	ths of	Deaths from												1.
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measlos.	Scarlet Fever.	Diphtheria.	Whooping-sough.	Typhus.	Enterie (or Typhoid) Fever.	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	ig.
LONDON	3,815,704	2793	1809	352	471		21	14	39	115	-	12	1	6	56	137	437	2
WEST DISTRICTS	669,638 905,947 282,288 692,788 1,265,148	420 620 159 567 1027	295 362 125 370 656 1	51 63 24 77 137	80 121 27 76 167		5 6 2 6 2	2 2 1 1 7	7 8 1 12 11	11 16 3 27 58	-	1 2 1 2 6	1	1 1 - 3 1 -	7 6 10 11 22	16 21 19 40 41	95 95 30 97 119 1	15
8t. Mary Paddington WHH G.J. & W.M. 8t. John Paddington H - G.J. & W.M. 8t. John Paddington H - W.M. & G.S. Peter Hammersmith W.M. & G.J. & W.M. & G. & Paul Hammersmith W.M. & G.J. & M.M. & M	69888 87830 120141 48010 7599 64840 42900 30396 24925 82807 80353 59220 85496 85496 85496 85496 85496 85496 85496 85496 85496	42 17 78 15 59 75 21 15 20 4 23 28 4	25 9 61 15 3 38 31 12 24 8 13 21 15 13	2 1 8 2 1 8 1 2 1 4 -6 2 2 	2 1 24 4 -7 7 2 11 2 6 2 5 3 4 -		1	11 12 1100 113 1111 11	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 12 - 2 - 2 2		1		D. COTT OF THE C.	1 1 2 - 1 1 - 1 - 1	21 32 -1 222 - 1	5 5 30 3 - 4 6 3 15 - 9 7 - 4 1 S	221
All Souls Marylebone HHHHH W.M. Cavendish Square HHHHH — W.M. Cavendish Square HHHHH — W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHHH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. St. John Marvlebone H — W.M. St. John Marvlebone H — W.M. Regen's Park Pancras H — W.M. Tottenham-court wHHHHH N.R.&W.M. Tay's Inn Lane HHH — N.R. Somer Town W — N.R. Somer Town W — N.R. Laington South-west HH — N.R. Laington South-west HH — N.R. Highbury H — N.R. Highbury H — N.R. Stamford Hill — E.L. West Hackney H- N.R. South Hackney — E.L. South Hackney — E.L. Central Districts.	26759 14891 24509 21118 33703 33633 45452 89115 27729 80247 84369 17811 87487 67946 100076 61895 52048 22791 37610 9277 37610 9277	15 6 15 28 21 17 30 22 15 10 18 11 63 51 46 46 46 13 10 26 57	13 6 14 7 11 6 18 14 24 9 14 20 24 44 8 18 17 6 4 7	1 5 3 2 4 4 3 4 1 5 2 5 6 9 5 2 4 1 5 1	5 1 4 3 2 3 3 4 5 - 2 15 6 10 5 6 4 3 3 19 2 19 2 19 2 19 2 19 2 19 2 19 2		1 1 1 - 8 8	1	2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 3 1 1 1 1 2 3 1 1 1 1 1 1 1 1 1 1		1			1	2 1 2 4 1 1 2 2 1 1 2 2 1 1 2 2 1 1 1 1	6 2 5 5 6 7 7 7 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 7 1 16 7 1 1 16 7 1 1 1 1	1
St. George Bloomsbury - N.R.	16691 14864 14884 17502 7515 8559 18671 10706 6538 17516 19281 14773 17506 11641 14773 17506 11641 1478 17506 11641 1478 17506 11641 1478 1478 1478 1478 1478 1478 1588 1588 1588 1588 1588 1588 1588 15	1 17 9 8 6 3 - 9 4 8 11 11 13 18 18 16 8 1- 3 - - - - - - - - - - - - - - - - -	5 14 6 5 4 2 11 3 - 11 5 4 5 7 7 6 - 2 1 10 4 6 3	1 2 - 1 1 1 2 5 5 - 2 1 2 2 1 1 1 2 2 1 1 1 2 2	3 1 2 1 1 - 3 - 2 2 2 1 1 1 2 - 1 1			1							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111 21 1212 12 3111	3 1 2 2 2 3 3 1 1 1 0 1 1 0	

NOTE—The Italie letters placed against the names of the suo-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving immates from other Districts than that in which it stands, (see note at the toot of next page). The Roman capitals signify the Witer Companies which supply the different sub-districts :—G. J. signifies Grandj Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vaurhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

aturday, 15th February, 1890.									-							_				
							The	DEA	THS	registered in the Week include										
	Enume-	Total Birres.		Deat	hs of		Deaths from										10	90		
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.		Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterio (or Typhoid) Fever,	Simple con- tinued Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Publinstitutions.	Uncertified Causes of Death.		
EAST DISTRICTS. tolywell Shoreditch - N.R. & E.L. t. Leonard Shoreditch + LL*, - N.R. (oxton New Town w N.R. (oxton Old Town N.R. Laggerston WH N.R. & E.L.	7376 14967 29937 28036 46275	3 9 20 27 36	4 6 31 11 26	- 1 6 7 4	1 2 13 1 3	1111	1	11111	- - 1	1 4	1 1 1 1	11111	11111	1111	- 2 -	4 2 -	2 10 - 9	1 1 1 1		
Sethnal Green North H E.L. Sethnal Green South E.L. Sethnal Green East WHL^* - E.L.	51157 34399 41405	36 31 26	19 12 19	3	3 4 5		1		3	3 2 2			1.1.1		1 -	-	- 6			
pitalfields E.L. & N.R. file End New Town W E.L. whitechapel Church H E.L. & N.R. codman's Fields E.L. ldgate E.L. N.R. & E.L.	22585 15473 17490 9713 6102	16 25 13 1 8	3 14 26 3 1	2 5 -	193	1111	ī -	1	1	1111	. 1 1 1 1 1	1 -	11111		3 -	3 5 1 -	7 20	1111		
t. George's, North t. John, St. George East W - E.L.	38747 8410	38 6	13	7	5	H	1 -		-	1 -	-	1 1	-	ī	1 -	3 2	12	-		
hadwell H E L. & N.R. atcliff E L. simehouse E E.L.	10895 16107 32041	11 8 27	11 6 14	1 4	1 2		=	1	1 -	1 2	=	1	111	-	Ē	2	7	-		
file End Old Town West H - E.L. file End Old Town East $WwwH$ - E.L.	37960 67653	27 64	11 27	3 8	8	H	-	-	1	3	-	-		2	-	3	5	-		
ow L* E.L. romiey wwwH E.L. oplar WWH E.L.	37074 64359 55077	27 64 44	21 51 22	9 8 2	1 11 4	-	-1	7	1 8	2 2 2	-	1 1	1 1 1	-	2 2 -	3 7 2	17			
SOUTH DISTRICTS. hristchurch Southwark WH L. & S. t. Saviour Southwark S. ent-road WH S. & L. sorough-road WH S. & L. inity Newington S. & L. t. Peter Walworth W - S. & L. t. Mary Newington - L. & S.	13668 14999 21381 15958 21318 26672 59555 21623	11 6 11 15 23 25 47 18	8 2 11 5 4 13 81 10	2 1 1 2 2 7 4	3 - 1 2 - 5 7 2	1111111	11111111	2 12 1 11 1	1111111	3 - 1 1 1 1		THITTE	16111111	1111111	1	1 1 1 1 -	1 1 3	1111111		
t. Olave WH S. & L. eather Market S. & L. t. Mary Magdalen W - S. t. James Bermondsey - S. otherhithe WH S. & K.	11956 16300 15669 54682 36024	18 15 18 44 20	18 5 9 12 19	3 - 2 4 4 4	8 1 3 5			114 61	1	1 - 1		1111	11111	1111	4.7.7.7	5 - 2	10 2 6	- 1 1 -		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	15195 16351 19876 39859 45232 35332 62837 19017	10 27 12 42 24 16 39 27	10 17 33 20 10 22 8	7 1 8 8 4 3 2	1 2 18 8 8 5	111111		2	2	3 1 2 2	1111111	2	- - - -	11111111	2 - 1	1 2 1 - 1 - 1 -	12 19 -	1 2 1 1		
ast Battersea	54675 52587 36380 28004 18235 25553	44 63 22 42 16 30	27 32 6 25 8 19	4 4 - 5 2 5	5 7 3 4 3 7	11111	1	1	1	4 5 1 1 2		- 1 1	11171	1	2 1 - 1	3 1 2 2 2	12 8 -	-		
pulwich L. & S. anberwell $W_{\mathscr{O}L^*L^*}$ - S. & L. eckham W S., L., & K. George Camberwell - L. & S.	5590 59104 71089 50810	- 44 53 41	2 48 37 20	1 6 7 8	1 20 11 4	-	1111		ī ī	5 4 4	11111	1 1 1 6			2 1	1 3 1	16 2 -	4		
t. Paul Deptford ww K. t. Nicholas Deptford K. reenwich West H K. reenwich East WHH K.	76752 7901 21972 24605	54 3 9 24	45 2 10 21	13	6 1 2 7		- 1	2 -	1 1	6 -	-				1 1 2	1 2	3 14	3 - 1		
Itham H K. ee H K. ewisham WH K. ydenham H L.	5048 21559 19865 26076	2 12 16 16	1 6 16 6	3 2	4 5 2				1111	1	. 111		1111	1 1 1 1	1	1	1'	1		
Noolwigh Dockyard K. Voolwigh Dockyard K. Voolwigh Arsenal HH K. Lumstead, West H K. Lumstead, East W K.	10930 17617 19045 14009 19241	9 12 5 7 30	5 7 16 4 24	1 1 7 7	1 3 2 1 1		-	1	1 - 1	1 2 5		11111	1111	11111	1	2 - 1		î		
letropolitan Asylum Hospitals: Dartford w Winchmore Hill w	=	-	ī	-	-	1.1	-	ī	-		-	-	-	-			ī	-		

The following WORKHOUSE Establishments are indicated in the above Table by w (see note at foot of preceding page):-

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottenham Court suo-district.
Holborn Infirmary
London City Workhouse
Hottorn
Whitechapel
Mile End Old Town Eastern sub-dist.

stepney wo (see note at 1000 of processing sub-district.

Stepney worknoses in Bromley sub-district.

Poplar a Stepney Sick Asylim

Westmusster Union Industrial School in West Battersea sub-district.

St. Saviour's Infirmary in Camberwell sub-district.

Metropoutan Asylim District Hosoitais in Fulnam, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.

Strand and Holborn Workhouses outside Registration London.

Table 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

Regis-		Area						2	The Di	EATHS	registe	ered in	the V	Veek i	nclude			
ration		in Aeres,	Enume-			Deat	Deaths of Deaths from											
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-por.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LON	IDON - OUTER RING	370,924	950,957	841	437	91	124	-	4		5	23	1	1	7	20	65	
30:1 2	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	10 8	24	2 -	4 3	- 1	-	-	,	1		1 1		-	12	
37:1	Godstone (part of) * -	2754	1235	1	-		-	-	~	-	-	-	-	-	-1	-	4	
38:1	Croydon WwHHL - Mitcham w †	20851 11697	101241 17982	79 13	33 2	10	6	-	-		-	1 -	1	-	_	-	6	
89:1 2	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	19 24	3 17	2	2 8	-	-	-	-	-	-	-	-		5	
8	Esher (part of) * - Hampton H	6601 4573	9221 13589	5 10	4 10	- 3	4 3	-	73	-	-	4	-	- '	1	1 1	-	
40:1	Richmond WH	2272	21302	15	9	3	4	-		-	-	1	-	-	1	- 2	1	
41:1	Mortiake Bromley (pt. of) * HH	2941 15669	12881 81142	7 23	8	3	3	7-	-		-	1	-	-	-	1 -	.1	
2 42:1	Chishrst(pt.of)* WHH Bexley H	14307 18437	15844 24134	5 24	9 5	1	5	-	-	-	-	_	-	-	-	-	2	
124:1	Dartford (Ww, pts. of)* Sunbury **	11055	11685	1	-			-	~		-	-	-		-	-		
2	Staines W	18277	12089	10	1 2		-	-	1	-	-	1	-	-	-	-	-	
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 5225	- 3	3 5	2	1 -	-	-		2		-	-	-	-		
126:1	Hayes wHL Isleworth WHH -	14587 7008	11528 22727	8	15	2 2	1		-	-		-	-	-	-	-	13	
2 8	Twickenham $H-$ - Brentford HL	2477 4845	12479 27649	6 23	12	2	2 5	-	-	-	1		-	- 1	1	1 2	-	
5	Chiswick	1340 6088	15975 22876	22	7	4	-	-	-	-	-	1 -	-	-	-	7. 1	-	
127:1	Harrow H Edgware H	13809 6994	12796 3749	. 7	5	-	2	I-	- 2	-	-	-	-	-	I-	1	-	
3 4	Willesden Hendon W	4383 9382	27453 10484	39 10	3 21	4	5 2	-	-	-	-	1	-	-	_ _ 1	1 2		
187:1	Bushey	9331	6621	,4	8	1	-	-	_	- 1	-	-	1 -	-		1	3	-
128:1	Watford (W, pt. of)* -	15599	6391	11	8	-	1	-	_	-	-	-	-	-	-	-	1 -	
3	Barnet Finchley HL	5433 46 88	10092 17615	8 11	11 11	2 1	9	-	-	-	-	1 -	-	1	-	-	7	
185 3 A 3	Hatfield (part of) * -	38 06	588	1	-	~	-	-	-	-	-	-		-	-	-	-	
2	Hornsey H Tottenham H	3039 4642	37078 46456	21 62	8 24	2 1	1	-		-	-	3	-	-	-	2	-	
3	Edmonton Ww ‡ - Enfield WH	7483 12653	23463 19104	26 18	14	3	4 2	-	-	-	-	-	-	-	-	1 -	2	
5	Waltham Abbey Cheshunt	31017 8480	5868 7785	6	2 3	1	-	-	1	-	-	1	-	-	-	-		
186:1	Stratford West Ham wwww.HS	882 4055	38606 90847	25 117	18	6	4	-		-	-	1	-	-	1	1	-	
3	East Ham	3296	10706	19	51 10	3	10	_	-	-	-	6	-	-	-1	1	_	
4 5	Leyton WwL Walthamstow H -	4372 6520	32430 28869	39 36	20	3	10	-	-	-	1	1 -	-	-	1	1	7	
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	3	5	8	1	÷ .	-	-		-	_	-	-	-	-	-
189:1	Romford (part of) * W	6730	3411	1	1	-	-	-	-	-	-	-	-		-	***	-	
2	Hford Barking Town	5498 4127	7645 9203	7	3	-	1	-	-		-	-	-	-	-	1	-	1

[&]quot; the parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: . * The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follows:

- 30: 2. Epsom sub-district, except the parishes of Assisted and Headley (pop. 1265); 37: 1., the parishes of Warlingham and Farley in Godstone sub-district, except the parish of Esher (pop. 1933); 41: 1. Brounds sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41: 2. Chisleturat sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Northaw in Hanfield (2.50 leaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 187: 2, Watford, and 137: 1, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

**Tribion Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

**Metropolitan Asylum Hospital at Plaiston (see Table 5).

Metropolitan Asylum Hospital at Plaistow (see Table 5).

On lat January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 15th February, 1890.

			ANNUA	L RATE			The Da	ATHS	regis	tered	in t	he W	eek i	nelud	В	
	Area in Acres.	Estimated		TALITY living.	DEATHS	Deat	hs of			1	eath	s from	n -			Public ions.
GREATER LONDON.	including tidal water and foreshore.	Population, middle of 1890.	Thomas	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-por.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhoa.	Violence.	Deaths in Pulnstitution
Cols.	1.	2.	3.	. 4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
ATER LONDON	448,334	5,758,500	50.3	2.2	2246	443	595		25	14	44	138	14	7	63	502
nner London -	77,410	4,421,661	21.3	2.5	1809	352	471	-	21	14	39	115	13	G	56	437
DUTER RING -	370,924	1,336,839	17.0	1.3	437	91	124	-	4	-	5	23	1	1	7	65

OTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,166,390 Persons.

						DE	ATHS	FROM D	ISEASE			_
Citirs.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. of Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrheal Diseases.
LCUTTA	433,219	January 4	-	296	35'6	5	-	-	1		88	71†
MBAY	773.196 398,777 {	December 21 20 27	310 318 306	389 294 276	22*2 38*3 35*9	3 2 1	1 3 5	5.5.5	9	5. 5. 5.	111 67 82	42† 42† 40†
RIS	2,260,945 471,606	February 8	1172 248	1067 191	24.5 21.1	1	18	-	45* -	19	7	34 16
h 8 Faubourgs.)		,, 8	280	177	22.6		2	_	2	2	_	_
MSTERDAM -	406,402 203,486	99 . 8	163	106	27.0		-		1	4	-	-
ari Hagub -	156,497	" 8	96	64	21.2	-	-	-	-	-		-
OPENHAGEN -	807,000	₁₀ 8	188	154	26.2	-	-	-	12	7	1	7
COCKHOLM -	228,218	, 1	137	90	19.1	-	7	8	2* 13	2 2	1	1
HRISTIANIA .	138,300 924,106	January 25	33	531	30.0	1	24	24	7	2	12	45
RRLIN	1,526,887	0.2	930	670	22.9	-	7	8	32	9	1	46
[AMBURG(State)		February 1	437	334	30.3	-	1	2	7*	1	2	64
RESDEM	269,250	, 1	156	104	20.1	-	-	-	5* 8*	- 8		4 7
RESLAU	324,143 298,000	,, 8	225 242	178	29.3	-	5	2 2	14*		1	10
IUNICH	822,176	,, 1	524	360	22.8	1	5	-	6	1	2	10
BAGUE	304,356	, 1	- '	184	31.2	-	2	3	7	3	1 2	5 25
UDA-PESTH -	463,017	, 1	334	297	33.3	-	1	1	10	2 2	1	4
RIESTE	160,092	,, 8		116 253	32.2	1 _	_	1	6	Dell .	201	14
COME • • • • • • • • • • • • • • • • • • •	409,692	January 10		200	- 52 4	_	-	-	-	-	-	-
VENICE -	156,515	February 1	. 89	131	43.6	16	1	-	43	1	-	11
DAIRO = -	374,838	January 23	477	304	42.3	1	-	-	1	5	7 7	79
LEXANDRIA .	231,396	25	276	224	50.2	3	-	-	1		5	
NEW YORK .		30 25		872	28.5	-	3 2	10		7	2	11 1
BROOKLYN .		,, 25		432 552	27.7	-	2	3	1	2	20	1
BALTIMORE .		21		267	27.8	-	11	1	7 2	2	3 5	8 10
NEW ORLEANS	254,000 {	January 11		115 121	23.6 24.9	-	-	-	2	-	5	4

^{*} Including deaths from croup.
† Including 25 deaths from cholera in Calcutta, 8 in Bombay, and 1 in each week in Madras.
‡ Including 10 deaths from malarial fever.

Table 9.-METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, February 15th, 1890. Under the Superintendence of the Astronomer Royal.

0.0 0.0 0.0 in. The average temperature of the air is that derived from a discussion of the photographic records made as discussion of the photographic records made as discussion of the air and are some office and that of horizontal movement of the air from a discussion of the air amountering records for the 15 years entling 1875. The record of Blectricity is derived from Thomson's self-registering Blectrometer. The symbols employed are :--P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable. The height of the cistern of the barometer is 159 feet above the mean level of the sea; no The means of the eye-readings of the barometer, are ury various accountaints deduced from a discussion converted into mean faily values by the application of corrections for the barometer, and of the photographic records made during the twenty years ending 1873 for the barometer, and of the photographic records made during the twenty nears ending Observations are usually taken at 91, 42, 10001; 31, P.M.; and 91, P.M. The means of the eye-radings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are of the dry built the mometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced bulb thermometers by Glaisher's Hygro-In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and "lower," than the average. The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Gattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show The results of all the meteorological observations are to be understood as applying to the by Sh. F.M. on the 9th; increased to 30.17 in. by 9h. F.M. on the 14th; decreased to 29.25 in. noor on the 18th; increased to 29.70 in. by noon on the 14th; decreased to 29.21 in. 3h. F.M. on the 15th; and increased to 29.41 in. by the end of the week. civil day, or from midnight to midnight. The reading of the barometer decreased from 30°13 in. at the beginning of the week to 30°00 j Rain sollected in a Gauge whose 88.0 in. 00.0 00.9 00.0 of 16 Years. Average Wiles. 80 Sum -527 74 Robinson's. on each Miles. Sum 1679 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers, Mean of 24 hourly obs. b.0 9.0 Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. 0.0 0.0 0.0 from the mean daily values of the dry and wet 7.5 2.7 & ESE. ESE. & E. N. SSW. & E. & ESE. ENE.W. ESE. General Direction. ENE. & 3 NE. & E. E. & ESE Calm & E. Of the Water of the Thames at Deptford. metrical 'lables. 39.0 33.3 38.4 est, 00 38. 9.68 39.4 38.6 88.8 39.1 est. 27.0 26.2 35.0 fine Overcast; rain fell during greater part of day, with now intermingled at first. at in Hoar frost and dense fog in morning; very fine and generally cloudless afterwards. frost in morning; very fine till 5h, P.M.; overcast after-High. est in Sun's Rays. 0.18 till evening; cloudless Hoar frost Hoar 14 86 GENERAL REMARKS. Very fine; cloudless throughout. Difference between the Air Temperature and Dew Point Temperature. 80 0.2 1,0354 Very fine; cloudless throughout. est. 12 Occasional rain, Fine; partially cloudy night. Cloudless with hoar with little light cloud wards. Mean daily value. Mean daily value. Of the Dew Point. 0 De-from Average of 3.6 G. ĵ ì Registered Sun above Sunshine, Horizon, in hours, in hours. 36.4 57 35.9 90 Sumi 68.8 6.6 2.6 6.01 Sum 31.2 0.9 2.8 2.5 0.0 8.08 35.5 27.7 9 41.7 afternoon; v. P. till P. after-1.07 P. in morning; (For explanation of symbols, see Note.) and re-duced to 320 Fahren-187 v. N. and v. evening; w. P. wards. Mean v. P. generally .67 g. P of the 品品 14 MONTH AND FEBRUARY. No. of Col. 1890. No. of Col. DATE. THURS. MEANS WED. MONDAT TUES. SUNDAY FRIDAT SUN. FRI.

OFFICIAL COPY.

RETURN WEEKLY

DEATHS LONDON BIRTHS AND

TWENTY-SEVEN OTHER QREAT

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 8. 1890. Vol. LI.

WEEK ENDING SATURDAY, FEBRUARY 22.

[Price 11d

General Register Office, Somerset House, 24th February, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 25.1 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	Weeks	ending		\$\$		Weeks	ending	5
Towns.	Feb. Feb. 1. 8.	Feb. 15.	Feb. 22.	Towns.	Feb.	Feb. 8.	Feb. 15.	Feb. 22.
Birkenhead	18.4 19.4	23.8	19.9	Liverpool - ·	22.8	27.2	31.0	30.2
Birmingham	26.5 26.1	30.6	27.0	London - ·		20.6		
Blackburn -	27.0 23.2	23.2	30.4	Manchester -		30.4		
Bolton -	20.7 20.7	33.8	30.6	Newcastle-on-Tyr		29.1		
Bradford -	22.8 23.2	22.3	30.6	Norwich -		30.6		
Brighton -	24.5 22.8	22.8	14.8	Nottingham .		19.4		
Bristol -	26.7 34.8	37.5	25.6	Oldham - ·		24.9		
	19.2 22.7			Plymouth		25.8		
Derby -	17.1 18.6	21.7	18.6	Portsmouth .		29.9		
Halifax -	19.1 22.2	26.7	29.2	Preston -		26.8		
Huddersfield			24.9	Salford		23.0		
Hull	THE RESERVE TO SERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLU		23.9	Sheffield -		23.2		
Leeds -	24.7 25.5			Sunderland		25.6		
Leicester -	19.9 16.6			Wolverhampton .	23.1	25.6	33.1	33.8

The highest annual death-rates, measured by last week's mortality, were :--from whooping-cough, 1.4 in Bolton, 1.5 in Salford, 1.5 in Hull, and 2.0 in Bristol; from scarlet fever, 1.3 in Sheffield and in Blackburn; and from measles, 1.2 in Liverpool. In none of the twenty-eight towns did the death-rate from "fever" reach 1.0 per 1000. The 43 deaths from diphtheria in these towns included 27 in London, 2 in Liverpool, 5 in Manchester, and 5 in Salford. Small-pox caused one death in London, but not one in any of the twenty-seven great provincial towns.

LONDON.

Allowing for In London 2702 BIRTHS and 1847 DEATHS were registered. increase of population, the births were 225 below, while the deaths exceeded by 13, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20.6 and 21.3 in the two preceding weeks further rose last week to 21.8. During the first eight weeks of the current quarter the death-rate averaged 25.5 per 1000, and was 2.5 above the mean rate in the corresponding periods of the ten years 1880-89; the mean death-rate during the same period in the twenty-seven provincial towns was 25.0 per 1000.

The 1847 deaths included 1 from small-pox, 14 from measles, 13 from scarlet fever, 27 from diphtheria, 103 from whooping-cough, 8 from enteric fever, 1 from an un-defined form of continued fever, 21 from diarrhea and dysentery, and not

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

one from typhus or from cholera; thus, 188 deaths were referred to these diseases,

being 28 below the corrected average weekly number.

One death (of a male, aged 44 years, admitted to the Highgate Small-pox Hospital from High Holborn) from small-pox was registered, the corrected average being 10; 5 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The death of an infant, aged one year, in Poplar, was attributed to chicken-pox. The fatal cases of measles, which had been 8 and 21 in the two preceding weeks, declined again last week to 14, and were 25 below the corrected average; 2 belonged to Islington, 2 to St. Luke, and 2 to Greenwich sanitary areas. The deaths from scarlet fever, which had been 19 and 14 in the two previous weeks, further declined last week to 13, and were 16 below the corrected average; 2 belonged to Islington and 3 to Hackney sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1247 scarlet fever patients at the end of the week, against numbers declining in the seven preceding weeks from 1609 to 1265; 89 cases were admitted to these hospitals during the week, against 99, 75, and 63 in the three previous weeks. The deaths from diphtheria, which had been 24 and 39 in the two preceding weeks, declined again last week to 27, but exceeded the corrected average by 9; 3 (including 2 in Elderfield Road) belonged to Hackney, 4 to Bethnal Green, and 3 (including 2 in Clemence Street) to Stepney sanitary areas. The 103 fatal cases of whooping-cough showed a decline of 12 from the high number in the previous week, but exceeded the corrected average by 13; 6 belonged to Pancras, 7 to Islington, 5 to Shoreditch, 10 to Lambeth, 5 to Battersea, 5 to Wandsworth, 5 to Camberwell, and 5 to Greenwich sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been but 4 and 6 in the two preceding weeks, further rose last week to 21, and exceeded the corrected average by 6.

The deaths referred to enteric fever, which had been 9, 2, and 12 in the three preceding weeks, declined again last week to 8, and were 5 below the corrected average; 2 belonged to Poplar sanitary area. The death of a female, aged 28 years, in Battersea, was indefinitely referred to "epidemic febricula." The Metropolitan Asylum Hospitals contained 58 cases of enteric fever and one of typhus on Saturday last; 6 cases of enteric fever were admitted during the week, against 5,

4, and 2 in the three preceding weeks.

The deaths primarily attributed to *influenza*, which had declined in the five preceding weeks from 127 to 30, further declined last week to 24; of these, 10 occurred in the south, 6 in the west, 4 in the north, 2 in the central, and 2 in the east groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had declined in the six preceding weeks from 1069 to 439, rose again last week to 452, but were

33 below the corrected average.

Different forms of violence caused 77 deaths, concerning all but 4 of which inquests were held. Of these 77 deaths, 8 were cases of suicide, and 2 of murder or manslaughter, while the remaining 67 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 7 by burns or sealds, 2 (of a coach-painter and of a labourer at lead-works) by lead-poisoning, 6 by drowning, and 20 (including 19 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3651 births and 2346 deaths were registered, corresponding to annual rates of 33·1 and 21·2 per 1000 of the estimated population. In the Outer Ring 28 deaths from whooping-cough, 12 from measles, 5 from diphtheria, and 4 from scarlet fever were registered. The fatal cases of whooping-cough included 6 in Stratford, 6 in West Ham, and 3 in Richmond sub-districts. Three deaths from measles were returned both in Staines and in Leyton sub-districts; and 2 fatal cases of scarlet fever occurred in West Ham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.95 ins.; the lowest reading was 29.41 ins. at the beginning of the week and the highest 30.42 ins. at the end of the week. The mean temperature of the air was 39.4, and 0.3 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on each of the first four, but was below the average on each of the last three days of the week. The general direction of the wind was E., and the horizontal movement of the air averaged 10.0 miles per hour, which was 2.4 miles below the average in the corresponding weeks of 16 years. Rain was measured on Thursday to the amount of 0.04 of an inch. The duration of registered bright sunshine in the week was 12.4 hours, against 15.7 hours at Glynde Place, Lewes.

* See note on first page of this Return.

									Biri	1168	, <i>L</i>	Jeu	t / t .	39 1	116	ieo	rot	ogg	y•											77
		CITIES	AND BOROUGES,	Cols.	- 28 TOWNS.	LONDON. BRIGHTON	PORTSMOUTH.	Nовилсн. Рехиоптн.	Bristor.	WOLVERHAMPION,	BIRMINGHAM.	Northwest.	Derby.	BIRKENHEAD.	ROLLON BOLLON	MANGERGE	SALFORD.	OLDHAM.	BLACKBURN.	HUDDERSFIELD.	HALIPAX.	BRADFORD.	SHERRIRED.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLABGOW.	DUBLIE.
	RAINFALL.		In Centi- metres.	24.	26.0	0.10		- 2.67	66.0	60.0		1.17	1	1 3	0.40 1			1	1 1	•	1	1.22	,	0.50	0.48	8.50	1	2.13	64.0	700
	RAIN		eseqouI uJ	23.	0.38	\$0.0 0.0		1.02	0.30	70.0	•	0.46	1	1 1	77.0			1	•	. •	,	0.48	1 1	80.0	61.0	1.56	-	₩8.0	0.31	0.88
1890.	g AIR.	an.	Centigrade.	22.	38.0	4.44		68.9	4.89	5.26	1	3.58	i	1 000	00 1			ı	1 1	ı	,	90.8	8 8	3.11	3.50	3.06	ŧ	3.06		19.9
ruary,	TEMPERATURE OF THE	Mean.	F'shrenheit.	21.	39.0	89.4	1	44.4	40.8	9.92	(87.9	1	1 0	27 1	-	•	1		1	1	87.5	1 1	9.48	38.3	37.5	1			42.1
I Feb	RATURE	.1	pheit. Lowes	20.	29.2	83.8	1	34.5	34.5	9.62	,	32.6	1	1 2	7.70			1	, ,		1	31.4	1 1	32.0	31.0	32.0	1			
g 22n	TEMPE	*31	Fahrenheit,	19.	51.5	50.5	1.	51.5		46 y	1 1	47.5	1) p	-	1	1		1 4		45.4	\$ I	0.45	0.97	14.0	,			20.4
DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 22nd February, 1890.		he	From Discases in Cols. 6-12.	18.	3.0	2.5	2.0	3.0	2.5	2 0	8.0	1.1	1.0	0.0	0 00	6.6	6.7	1.1	4.0	1.1	1.8		7.7		-		0.0	-		2.1
Week	Annual Rate per 1006, corresponding	to the	From All Causes.	17.	25.1	21.8	24.1	23.8	25.6	0 00	27.0	25.1	9.81	19.9	9.08	92.00	0.83	33.4	\$0.4 \$7.7	6.43	20.5	9.08	6.08	23.9	0.53	52.0	18.2	0.47	31.9	25° 33°
the		dis:	offitreenU offito seens?	16.	100	16	Н	1 1	pri 0	0	4 0	0 01	1	*******	07 -			67	- c		63		23 0				1		41	
during		*9	Deaths in Deaths in Pallou Toolitutitanl	15.	875	434	12	- 67	22	P : 1	57	16	6	п Е	1 20	22	18	12	9 0	, 10	10	27	60	14	10	15	7	19	22	28
WNS,	,	.86	Inquest Case	14.	287	143	ep -	4 01	70 4	7	123	~ 10	-		2 65	1.6	00	67	87 -	H. a	-	4	14	n 67	6	9	e0	۵.	•• ;	2
To To	clude		-SonelolV	133	141	77	1 0	N FI	ri c	a .	00 1	· 00	1	1 7	=	1 0	2 1	1		1 1	-	62	93 (٥ ١	ಣ	63	0.3	-	12	2
GREA	in the Week include		.amdrrai(I	12.	44	21	-	- 1	1			-	1	1 0	N -	1 0	3 70	-		1 12	1	-			1	1	1		တ	-
n 28	n the W	8	Ferer.	티	8 25	6 1	1	1 1	1		1 1	1 63	-	1 -	- 1	P**	4 63	1			1		1	1 67	-			e9	00	9
OGY i	ered ir	Deaths from	Whooping-	10.	168	103				73	<u>ා</u>			1 ;	7 8		~ 0		<u> </u>	-	1	6.2	eo 6	23 62		- 62		6	16	41
OROL	8 regist	Deat	Fever. Diphtheria.	8. 9.	1 43	27	-	1 1							24	1 ×			1		-	-				_		-	10	1
Mere	The DEATHS registered		deling	7.	39 51	14 13	-	1 1		1	-				0 1		2 1	-	1 00		_	64	1 6	23 1					10	
pue	The		Small-pox.	6.	 	1 1	1	1 1	1		1			1	1.48	1	1 1	1	1	1 1		1	1	1 1		1	-	-	-	-
ATH8,		of	snawqu das.	5.	1156	9	23	11	1 28 1	77	73	26	12	00	19	2 9	70 83	22	10	E 00	11	41	20	44 44	19	13	90	67	. 09	
က်		aths	Persons aged	4.	935 1.	~ h	- 63	- ×		77		93			63		96			19.	0	~		60		11	7	24 3	_	
Віктв	ti.	Minney.	To hards under lost of			35 298	99	49 36		-				40 1						45 45			205		89		67	71.00		_
4 1	red duri	the Week ending	DEAT	.83	4685	1847		4. 43							~~~		2 2							5-4				125	\$24	239
Тавск 1.—Віктн	Registered during	the Week ending	Вівтив, Оелтив	63	5503	2702	123	72	132	53	273	26 20 100	24	62	840	70 0	136	72	85	86	48	116	196	187	88	103	7.1	138	355	198
		Z	to the middle of the Year 1890.*	1.	9,715,559	4,421,661	142,952	25,352	232,248	83,406	461,865	154,344	100.871	105,049	613,463	110,816	579,437	146,716	123,558	105,163	85,034	240,515	662,893	532,837	126,506	162,987	210,711	271,135	180,208	353,08
				Cols.	•	•	٠	• •	1	TON	•		•		•	•	• •	•			•	٠			٠	•		•	•	1
		CITIFS	BORUCGHS		28 TOWNS	LONDON .	PORTSMOUTH	NORWICH .	BRISTOL .	W OLVEBBAMI TON	BIRMINGHAM	LEICESTER .	DERBY	BIRKENHEAD		FOLTON -	MANCHEBIER SATEORD .	OLDHAM.	BLACKBURN -	PRESTOR . HULDERSFIELD	HALIPAX .	BRADFORD .	LEEDS	SHEFFIELD		NEWCASTLE .	CARDIEP .	Ерімвивен -	GLABGOW .	DUBLIN -

TABLE 2. LONDON .- Births and Deaths Registered in the Eighth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2746	2632	2812	2755	2538	2709	2712	2769	2473	2695	2926·9	2702
	1432	1348	1449	1385	1326	1406	1402	1363	1208	1341	1489·6	1823
	1314	1284	1363	1370	1212	1303	1310	1406	1265	1354	1437·3	1879
TOTAL Deaths Males Females .	1662	1525	1941	1554	1552	1569	1988	1691	1772	1567	1834°3	1847
	872	817	961	807	817	823	1006	847	874	762	936°3	934
	790	708	980	747	735	746	982	844	898	805	898°0	913

[•] The numbers in this column are the average weekly numbers in the eighth weeks of the ten years 1880-89, are raised by 9.046 per cent. for increase of population.

LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LUNDON.—I		J, 12 II.	,	unu ,	JED LES	ORODO	, u	1 0110	23000	Z III III	LEDIN	AA FERE	. 1.74
	Nov. 30.	Dec.	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan. 11.	Jan. 18.	Jan. 25.	Feb.	Feb.	Feb. 15.	Feb. 22.
TOTAL Births	2321	2270	2535	2513	1815	2961	2818	2714	2510	2699	2707	2793	2702
Total Deaths	1448	1683	1768	1816	1690	2371	2747	2720	2227	1849	1749	1809	1847
Ages at 20-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & upwards	647 184 266 292 59	713 196 294 392 88	719 227 312 418 92	723 216 348 424 105	651 220 332 396 91	834 346 541 552 98	939 367 670 640 131	909 450 666 576 119	775 349 510 503 90	703 282 369 390 105	714 238 334 363 100	763 218 357 390 81	753 256 363 374 101
,, {Under 1 year - 1-5 - 5-20	333 227 87	353 265 95	375 247 97	364 261 98	326 232 93	398 310 126	430 375 134	415 344 150	386 294 95	350 250 103	372 254 88	352 306 105	393 259 101
Deaths from Small-pox " , Measles " , Scarlet fever Diphtheria " , Whooping-cough " , Typhus " , Enteric fever " , SimpleContafever " , Diarrhœa and Dysentery " , Cholera " , all the above- mentioned Diseases	18 19 33 44 - 15 1 12 -	41 24 47 47 47 12 12	30 12 35 49 15 -	35 22 27 60 1 12 - 13 -	29 14 26 67 2 13 - 19 -	96 15 32 98 -12 - 10 -	24 13 26 112 - 11 1 12 -	24 22 22 22 104 14 1 6	21 10 22 82 1 10 - 14 -	11 14 24 67 9 - 9	8 19 24 91 - 2 - 4 -	21 14 39 115 - 12 1 6 -	1 14 13 27 103 - 8 1 21 -
", ", Dis. of Respira- tory System of Phthisis - ", ", Phthisis - ", ", Dis. of Circula- tory System of Violent Deaths - ", ", ", ", ", ", ", ", ", ", ", ", ",	345 183 126 53 113 336	432 161 165 56 128 358	552 182 163 55 124 422	518 161 189 69 156 419	467 180 158 47 121 400	843 247 222 91 195 494	1069 267 275 55 192 534	1010 312 209 65 171 626	736 239 193 60 142 491	550 220 116 62 127 470	485 209 154 58 125 401	439 215 143 56 137 436	452 218 162 77 143 434
Deaths in Public Institutions TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings umidity of the Air	37.6 43.4 32.0	35.8 27.8 85	38·1 42·5 31·9	43·5 47·3 38·1 94	89·8 44·0 35·2	32.8 36.7 28.5	47.6 52.4 43.0	45.5 50.6 39.4	42·7 43·4 36·9	42·9 48·3 38·2	37·1 42·7 32·0	35·9 41·7 30·8	39·4 43·9 35·9
Rain-fall in inches Hegistered Sunshine (in hours)	0·32 5·9	0·23 8·4	0.23	0.33	3.2	0·11 5·0	0.40	0·13 7·3	0.77	0·73 8·9	9.5	0·88 31·2	0·04 12·4

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., L.D., Plymouth: R. C. Cann Lipplncott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverbaupton Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingman; J. Fartung, Esq., F.R.A.S., Liverpoof; H.O. Plikington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F. ..S., F.R.Met.Soc, Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sungerlaug; and Wm. Lyall, Esq., Newcastle-on-Tyne,

н 3

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Eighth Week of the Year 1890.

						LIG	HTI	X V	eek	of the Year 1890.									
	for the 10 years	-8	Ir. aturd	the	Wa 22nd	Febr	uary	189	0.		for the	8	aturd	in th	e We 22nd	eek e Febr	ndin uary	1890	
	the 10		D		of l	Perso	o an	1			nges for		D		of F	erso ges	ns of		
CAUSES OF DEATH.	Averages ks of the 1 1880-89.*	.8.	U	Jnde 20.	r	under 40.	under 60.	under 80.	8.nu	CAUSES OF DEATH.	Averages iks of the 10 1880-89.*		τ,	Jnde 20.	r	under 40.	ler 60.	ler 80.	Bnd.
	Corrected 8th Week	ALL AGES.	0-1.	1-5.	5-20.	20 and un	40 and un	60 and un	80 Years upwards		Corrected 8th Week	ALL AGES	0-1.	1-6.	-20.	20 and unc	40 and under	60 and under	80 Years upwards
ALL CAUSES	1834.3	1847	393	1	1	256	369	1	101	Diseases of Organs of Special Sense † }	1.9	2	-		2	-		-	-
Small- Vaccinated Unvaccinated	}10.1	- 1	-	-	-	7-	- 1	-	-	Diseases of Circulatory	131.8	163	2	-	11	23	55	63	8
No Statement	88.6	14	4	10	-		-	-				-	-		-		-		-
Scarlet Fever	29.0	13	1	9	2	1		-	-	Croup	305°2	11 277	59	9 51	3	6	43	95	20
Typhus	0.2		-			-	-	-	-	Pneumonia	114.0	121	20	32	8	22	29	14	1
Relapsing Fever †	0.0			-	-	-	-	-	-	Other Diseases of Respi-	43.9	37	8	5	1	1 4	11	8	
Influenza	0.5	24	3	-	2	5	5	7	2	ratory System 5	200					-			
Whooping-cough	18.0	103 27	40 1	59 16	9	-	-	~	-	Dentition †	18.1	14	6	8					
Diphtheria Simple Continued and	1.3			10	y	-	1	-	-	Quinsy, Sore Throat † -	2.3	9.	1 4	1 2	1	1 2	-	-	-
Ill-defined Fever -		1			-	1	-	-	-	Peritonitis	6.8	6	1	-	2	1		2	-
Enteric Fever	13.3	8			7	1	-	-	-	Diseases of Liver - Other Diseases of	30.1	20 24	3	-	2	8	14 9	7	1
Cholera	14.7	21	14	2		2	1	2	-	Digestive System -}	01.7	42	3		-	0		1	1
Diarrhea, Dysentery - Remittent Fevert	0.2	-	7.7			2	1	2		Discourse of Lawrence (1)									-1
Hydrophobia	0.0								-	Diseases of Lymphatic System & of Ductless	2.8	-		-	-	-	1-	-	- 1
Glanders	0.0			-	-	-		-	-	Glands †)						-	1	-	
Cowpox and Effects of \ Vaccination † }	0.0	-	-	-	-		-	-	-	Diseases of Urinary)	39.8	48	2	-	2	4	22	16	2
Venereal Affections -	10.7	14	9	1	-	-	4	-	-	System 5							_		
Erysipelas	4.8	1		-		-	1	~	-	Discourse									
Pyæmia and Septicæmia †	3.1	3		-	-	2	1	-	-	Diseases of Generative	4.9	15	-	1	-	8	4	1	1
Puerperal Fever	6·7 2·0	1 5	1	~	Ţ,	1	-		- 1	Accidents of Childbirth -	3.9	2	-	-	_	1	1	_	_
Other Zymotic Diseases †		-	-	1	1	1		1	-	Diseases of Locomotive }	7.1	6			4	1	_	1	
Thrush	2.0			-	-	-	-		-	System † }				_		-	_		1
Worms and other Para- sitical Diseases}	0.2			_		-	_	-	-	Diseases of Integumen-	2.3	3	1	-	1-	-	1	1	-
Starvation, Want of Breast-milk † }	1.6	8	3	I-	-	-		-	_							_			-
Alcoholism	4'1	11	-	_	_	4	5	2		VIOLENT DEATHS.									1
Rheumatic Fever, Rheumatism of Heartt	8.3	3	-	_	1	2	_	-	-	(ACCIDENT.) Fracture and Contusion Gunshot Wound	18.8	26	1	1	-	11	10	2	1
Rheumatism †	5.1	3		-	-	1		2	_	Cut, Stab Burn and Scald	0.3	1		-	-	1	-	-	-
Gout	3.8	6	-	-	-	1	2	3	-	Poison	8'3	7 2	-	4	2	1 3	1	-	-
Rickets†	4.6	6	1	5	-	-		-	-	Drowning	2.1	8 20	19	-	2	3	1	+	-
Cancer	57.0	65	-	140	1	5	80	25	4	Otherwise	2.6	5	1	-	1	-	2	1	-
Tabes Mesenterica – Tubercular Meningitis –	26.1	22	14	4	8	1	-	-	-										-
Phthisis	181.8	218	10	9	4	1	-	-	-	(HOMICIDE.)									
Serofula, Tuberculosis -	17.2	18	8	3	16	114	68	16	-	Murder & Manslaughter	1.4	2		-	-	1	1	-	
Other Constitutional }	11'1	13	2	-	2	1	4	4	-	(SUIGIDE.)								-	
Premature Birth	39.9	43	43	_						Gunshot Wound	0.8 1.1	ī	-	-	-	-	1	-	-
Atelectasis +	3.0	3	3		-	-		_		Poison	1·1 2·2 1·2	1		-	-	1	-	_	-
Congenital Malforma-	7.2	8								Hanging	2.0	4 2	H	-	-	2	1 2	1	
tions } Old Age	65.1	71	7	-	1	-	-	30	41					_	_		-		-
Apoplexy	47.9	49	-			_				(Execution.)					-		-		
Epilepsy	8.8	4	1 -	_	2	2	10	27	9	Hanging	0.0				-	_	-	-	_
Convulsions	55.8	41	40	4	_	-	-	-											
Other Diseases of Brain and Nervous System	103.6	91	8	13	4	7	15	32	9	OTHER CAUSES †	63.9	<i>5</i> 3	48	2	-	-	2	-	1
6 The same have in this								-	1 \$,					

I he numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population. 1 As the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. Whe he medical attendant does not certify that the descased has, or has not, been vaccinated, or when the cause of death is not certified by a registered ractificate, the case is returned under the heading "no started ment."

The cridence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, slaughter, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Portlation; Births; Deaths from all Causes, and from Swall-fox, Measles, Scarle during the Week ending

										_				_	-	Veel	CHO	WI L
							The	DEA	THE	Deat		n the	We	Kine	iude			
	Enume-			Deat	hs of			,		-	ns ir				. 1		lio	808
REGISTRATION	Popu-	rH?.	THE.	_	aged 60 & upwds			er.		hooping-cough		Fever.	Fever.		1	50B.	in Public	Uncertified Causes
SUB-DISTRICTS.	lation,	Вівти	DEATER	of Age.	18 8.8 19 88 U	-pox.	les.	t Fever.	eria	-guid	120	oid) F	od Fev	hæs.	106.	t Ca	s in	titled
		Total	Total	Infants	ersons Years	Small-por	Measle	Searlet	Diphtheria	7 hoor	Typhus	Enterie (o Typhoid)	Simple c	Diarrhea	Violense	Inquest Cas	Deaths	ncer
				=	- P	502		002	<u> </u>	W	-	2	302		-	1-	1-	
LONDON	3,815,704	2702	1847	393	475	1	14	13	27	103	-	. 8	1	21	77	143	434	1
WEST DISTRICTS	689,688 905,947	879	315 420	57	80 111	1	3	1 5	2 12	18 19	_	2		2 5	12 14	28	74	
NORTH DISTRICTS	282,238	595 171	130	78 25	27	-	8		8	8	-	1	-	3	7 20	10	42	
EAST DISTRICTS -	692,738	538 1019	339 638	79	98 164	-	1 4	8	8	20 43		8 2	1	7	21	40 82	97	1
SOUTH DISTRICTS METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION		-	Б	-	_	_		4	-	-	-	-	-	in.	-	-	5	
LONDON		-																
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	52 6	23 13	1	9	-	1	-	-	2	-	-	-	-	1 2	1	4	
Kensington Town Ww - W.M. & C.	120141	61 15	61 18	9 2	22 4		-	-	1 -	8	-	-	-	-	-	1	20 3	
St. Peter Hammersmith - W.M. & G.J.	7599 64340	5 36	35 35	13	8 6	-	1	ī	1	4 3	-	=		1	3	1 1 5	2 9	1
Chelsea North-west WHHHHH-C.	30396 24925	75 10 20	20 12	8	3 2		-	-	=	1	=	=	-		-	2	4 6	
Chelses North-east	82807	24 6	13	4	5 9		-	-	-	1 -	-	-	-	-	. ~	3	9	
Belgrave WHHH C.	59220 85496	17 27	23 15	8	5	-	1 -	-	-	1 - 1	-	-	-	-	2 - 2	1 4	6 - 8	:
St. James Westminster WHH N.R.&G.J	24679 29941	12	15	1	1 2		=	-	-	1	-	-	- -	-	1	1	1	
St. Anne Soho HHHHHHHH - NR. NORTH DISTRICTS.	16608	5	5	2	-	ì		-				-					•	
AND ASSESSED AND WAR OF M.	26759 14891	15	17	2 -	3 3	=	ī	-	-	1 -	-	-	-	-	-	1 -	9	
All Sonis Maryleoone HHHHH - W.M. Cavendish Square HHHHH - W.M. Rectory Maryleoone WH G.J. & W.M. St. Mary Maryleo HHH G.J. & W.M. Christohuroh Maryleoone HH - W.M.	24809 21118 33700	9 27 18	9 4 8	1 1 4	1 -		=	-	=	ī		-	-	-	-	1	2 -	
Christohuren Marylebone H. W.M. 8t. John Marylebone H W.M. Hampstead WwwHHHH N.R. & W.M.	1	18 26	15	4	9		-	1	1	1 -	-	-	-	1 -	1	2	10	
Regent's Park Paneras H W.M. Tottenham-court wHHHHN.R.&W.M.	. 1 20115	20	9 19	5 2	1 6	-	-	-	-	1 3	-	-	-	=	ĩ	2	10	
Gray's Inn Lane HHH		20 20	11 15	3	3 2	Ε	=	-	-	-	-2	=	-	1,11	3	3	3 2	
Kentish Town W N.R.	87487	65	11 41	7 7	12	1	-	1	2	1 2		- 1	-		1 - 1	2 2	8 29	
Upper Holloway WWwH - N.R. Islington South-west HH - N.R. Islington South-east - N.R.	100976	73 37	59 28 28	9	7	=	1	1	/=	2	- E-	1	-	2	î	5 3 1	1 -	
Highbury H N.B.	52048	27 19	21 6	6	3	-	-	-	-	8 -	-	-	-	~	-	2 -	1 -	
Stamford Hill E.L. West Hackney H N.R	9277 87610	8 27 53	1 16 55	- 6	7 14	-	-	- 2	- 8	- 8	-		-	1	- 1 3	2 2	26	
Hackney WwwwH - E.L.&N.I. South Hackney E.L.	76911 39883	36	21	6	2	-	-	=	ı	ì	-	-	-	=	ĭ	2	-	
St. George Bloomsbury - N.R. St. Giles South WH N.R.	16881 14864	9	8 12	1	1 4	-	-	-	-	-	-	-	-	-	-	-	- 8	
St. Giles North N.R St. Martin-in-the-Fields HH N.R. & C	13837	4	3 6	- 2	1	-	-	-	=	-	-	-	-	-	1		8	
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515	1	1 5	1	1	-	-	-	-	-	-	=	-	-	-	1 -1	5	
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R	. 18671	8	8	2	1	-	-	-	1	-	-		-	-	-	-	3	
St. Andrew Eastern W - N.R Saffron Hill H N.R St. James Clerkenwell N.R Amwell Clerkenwell N.R	. 10706 6588 17516	3 4	3 2 4	3	1	-	-	-	=	-	=	-	-	-	1	1	-	
Pentonville N.K	. 14773	12 8	10	1 3	1 2	-	-	-	-	-	-	-		1 -	1	- 2	-	
Old-street H N.R City-road HHL N.R	11541	10 14 31	8 4 9	4 - 2	1 1 1.	=	1 -	-	=	-	=	=	-	1	-	-	-	
Whiteeress-street N.B.	9217	15	5 -	1 -	-	=	2	1	-	2 -	-	-	-	-	-	-	-	
Holborn Union Workhouse, Mitcham, w. St. Botolph H N.K.&E.	11174	3 8	8	1	1	-	-	-	-	-	-	_	-	-	-	-	-	
Cripplegate N.B St. Sepulchre H N.B St. Bride W N.B Allhallows Barking - N.B Groad Street H N.B	7193 5858 8396	5 1 4	20 4	ī	1 2	-	-	-	2	1		1	-	-	3	4	19	
St. Bride W N.h.		2													-	-	-	

NOTE -The Italis letters pisced against the names of the sub-districts denote Publis Institutions situated therein, namely: W-Work house; H-Hospital; L-Lunatic Asylum; L*-Private Lunatic Asylum in which paupers are received; w-Workhouse Establishmen receiving immates from other Districts than that in which it stands, (see note at the soot of next page). The Roman capitals signify the Wate Companies which supply the different sub-districts:-G. J. signifies Grand/Junction Company; W. M. West Middlesex; C. Chelsen; S. Southwar and Vannhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

DIPRTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district y, 22nd February, 1890.

							The	DEA	THS	regist	ered i	n the	Wee	k ine	lude.			
	Enume-			Deat	hs of	_				Death	s from						0	8
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Messles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enterie (or Typhoid) Fever.	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Publications.	Uncertified Causes
EAST DISTRICTS. Shoreditch - N.R. & E.L. and Shoreditch + HL* - N.R. N.R. New Town ** - N.R. N.R. Now WH - N.R. & E.L.	7376 14967 29937 28036 46275	8 12 80 18 88	1 5 17 9 24	2 3 2 6	9 8 10	11111	-	11111	1	1 1 3	11111	13151	11414	11111	1	1111	1 9 - 9	11111
Green North H - E.L. Green South E.L. Green East WHL* - E.L.	51157 34399 41405	49 82 39	17 13 31	3 7 5	5 2 10		-	-	ī	1	-	7 - 1	11.1	171	2	2 4	14	-
E.L. & N.R. New Town - E.L. pei Church E.L. & N.R. a Fields - N.R. & E.L.	22585 15478 17490 9713 6102	15 15 10 2 6	6 10 22 2 1	2 1 1 1	1 24	11111		ifin	111,61	1	11111	- 121 -	11111	11111	7	7	6 21	11111
e's, North E.L. St. George East W - E.L.	88747 8410	23 7 10	16 12	3	3	Ξ	₹ - -	1 = 1 2 = 1	-	1	-	-	-	1 -	- 2	2 2	8 5	12
H E.L. & N.R E.L.	10895 16107 82041	8 20	.9 5 19	3 2 2	2 8	=	-	1.1.1	2.	2	- I	-		1.1	1 -	1	-	-
Old Town West H - E.L. Old Town East WwwH- E.L.	87960 67653 87074	24 48 21	21 24 9	10 3 4	12	1 1 1		1 1 1	1	2	11.21		1 1 1	1	1 1 10	4	10	
www.H E.L.	64359 55077	48 55	37 29	6	11	. p. q.	ī	, =	-	1 2	-	-		1	2 2	5	10 2	-
SOUTH DISTRICTS. arch Southwark WH L. & S. ux Southwark - S. & L. d S. & L. -road WH - L. & S. ewington - S. & L. Walworth W - S. & L. Newington - L. & S.	18663 14999 21881 15953 21318 26672 59555 21623	8 14 15 12 12 19 47 17	3 7 16 13 8 8 22 13	54 52 4 3	2 1 4 2 - 2 6 4	11011111	7 1 1 1 1 1 1	11/11/11/11	111111111	1 2 1 1 1 1	Harry	1111111	111111	11111111	1111111	1 1111	51 81	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
WH S. Market S. & L. Magdalen W S. S Bermondsey - S. the WH S. & K.	11956 16300 15669 54682 86024	11 6 12 55 25	12 6 5 20 22	1 2 2 2 2 3	1 1 8 7			1111	1 1.	1 1	\ - I	1 -		1	2 1 2 3	31 1 33 8	11	
-road 1st H L, & 8road 2nd H L, & 8. Church 1st H - L, & 8. Church 3nd WW - L, & 8. on 1st S, & L, on 2nd S, & L, sow L,	15195 16351 19876 39859 45282 35882 62837 19017	9 15 14 88 28 21 56 8	9 25 82 23 16 32 7	1 8 3 9 7 2 5 1	- 2 7 5 6 6 9 2	1111111	HILLIA	1	11111111	2 5 - 3	in in the	111111		I I I I I I I	1 3 1 1	1 2 2 1	10 18	3 - 1
ersea 8. tersea WwH 8. H 8. prth WHL 8.	54675 52587 86380 28004 13235 25558	42 78 17 89 10 27	19 83 21 11 4 16	8 9 5 2 3 6	4 7 9 - 6	11111	111111		111111	5 1 1 - 3	A COLUMN	111111	1	1 -	1 1	1 1	6 2	1
ell WwL*L* - S. & L. W S. & K. e Camberwell - L. & S.	5590 59104 71089 50810	1 47 55 49	2 42 28 16	6 11 5	2 16 10 4	; = {	1 1 1	1 1/1 1		1 4	10	1111	\$ - 2 - 4 -		1	1	24 3	3
Deptford ww $/K$, as Deptford $/K$, h West H $/K$, h East $/WHH$ $/K$.	76752 7901 21972 24608	71 7 20 25	23 2 12 11	8 1 1 2	6 1 2 5		1 1	2 -		1		1171		2 - 2 - 2 - 3 -	2: 1 1 -	1 2 2 -	2 - 14	
H K. n WH K. n H L.	5048 21559 19865 26076	1 9 21 17	1 10 14 15.	4 5 5	- 4 5 4	1 - 1	1111	111		1 1	17-	1		11,11	1	11	3 1	
HII K. Dockyard K. Arsonal HH \K. d, West H K. d, East W K.	10980 17617 19048 14009	8 6 19 8 20	1 6 12 6 15	1 8 2 3	- 8 3 1 2	11111	11111	11141	11111	1111	1111	1111	1111	9 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	2	- 7	
tan Asylum Hospitals: ord w more Hill w		<u>-</u> ,	ž	-		-	-	- 4	7.2	-		-		 	-		5	7

owing Workhouse Establishments are indicated in the above Table by so (see note at foot of preceding page):-

obone Infirmary in Kensington Town sub-district.

Il London Sick Asylum in Tottenham Court sub-district.

In the Workhouse in Tottenham Court sub-district.

In the Workhouse in Hoxton New Town, sub-district.

Mile End Old Town Eastern sub-dist.

ble by w (see note at foot of preceding page)!—
Stepney Work touse in Bromley sub-districe.
Poplar & Stepney Sick Asylum
Westmuster Junon Industrial School in West Battersea sub-district.
St. Saviour's Infirmary in Camberwell sub-district.
Mctropontan Asylum District Hospitals ub-districts, and in Dartford and Edmonton sub-districts outside Registration London.
Strand and Holborn Workhouses outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

,			٦	Week		ig Sai				brua	ry, 18	890.		Ì				
Regis-		Area		2			. 1	·	The D	EATHS	regist	ered in	the V	Week i	nelude			
tration District		Acres,	Enume-			Dea	ths of				Death	s from	L					
and	REGISTRATION	inclu- ding	rated Popu-	HS.	DEATHS	1 .	90 vds.		1	1.		ugh.		1			Public	Cause
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS.	EA	under of Age.	aged upw	H		Fover.	is	Whooping-cough			١.	Cases	n Pu	
Num-		and Fore-	1881.	-	-	nts ar o	ons a	Small-pox.	sles.	let F	Diphtheria.	opin	1	Diarrhos.	Violence	est (the in	Uncertified of Death.
bers.		shore.				Infants Year	Persons Years	Sma	Measles.	Scarlet 1	Diph	Who	Fever.	Diar	Viol	Inquest	Deaths in Pul Institutions.	Unc
LOI	NDON-OUTER RING	370,924	950,957	949	499	125	137	-	12	4	5	28	2	3	6	20	56	
			000,007	0.10							-	20						
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118	11 4	12	1	8	-	-	-	-	-		-	-	-	4	
37:1	Godstone (part of) * -	2754	10710 1235	1	2	1		_		_	-		-			-		
38:1	Croydon WwHHL -	20851	101241	85	50	10	13	-	1	_		2				. 3	5	
2	Mitcham w †	11697	17982	. 10	6	1	. 1	v -						5 - - 2y 2 - €0	- "	: -	-	1
39:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	17 22	5 17	8	1 5	-	-	-	-		-	1	- 1	-	-	1
3	Esher (part of) * -	6601	9221	6	2	-	-	-		-	-	-		- 2	-	-	-	1
4	Hampton H	4573	13539	10	4	1	2	-	- 1	~		-	-	-	-	-	-	1
40:1	Richmond WH Mortlake	2272 2941	21802 12331	8 10	10	1 2	8	-	1	1 1		8	-	- 25	3	. 1	3	1
41:1	Bromley (pt. of) * HH	15669	81142	26	9	3	2		-	-	1	_	-	-	-	-	-	1
2	Chishrst(pt.of)* WHH	14807	15844	17	1	-	1	-	-			-	-	-	-	-		
42;1	Bexley H ~ ~ Dartford (Ww, pts. of)*‡	18437	24134	24	15 2	4	4	••,	-	-	-	_	-		1 ~	1 -	1 2	1
124:1	Sunbury w	11055	11685	11	5	1	1	-	-	- 3	-	-		1	-		-	1.0
2	Staines W	18277	12089	6	16	2	-8	-	8	-	-	-	-	1	-	1	7	
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 3225	5 4	7 9	1	2	-	1		-	_			-	1	3	
8	Hayes wHL	14587	11523	9	9.	1	4		12	-	-	-	-	-	-	-	5 -	-
126: 1	Isleworth WHH -	7008	22727	13	11	2	3	-	- 1	-	1	2	-		-	-	2	-
2 3	Twickenham H Brentford HL	2477 4845	12479 27649	13 26	1 14	1 4	6	-	-		.1	1	_	1.7	- [-	- 3	2	
4	Chiswick	1840	15975	7	5	2	2	-	-	-		1	-	-	1	1	-	-
127:1	Acton wH	6088	22876 12796	20	Т	4	2		-						-		-	-1
2	Harrow H Edgware H	13809 6994	8749	10 2	7	-	2		~_	-	_	_	-				-	
8	Willesden	4383	27453 10484	34	22	7	7		-		1	_	-		-	2	-	-
137 : 1	Hendon W	9382 9331	6621	13	2	1	1						_					
2	Watford (W, pt. of)* -	-		-		-	-	, - 1	-	- 3	1	-				-	-	Ŀ
128:1	South Mimms	155 99	6391	4	4		2	-	- 1	-	-	-	-	- 1	-1	-	-	-3
3	Barnet	54 88 46 38	10 092 17 15	5 14	9 15	3 2	3 2	-	_	1	-	1	· -		-	2	1 7	
185 : 1	Hatfield (part of) * -	38 06	583	-	_	-	1	-	_	-	-	-		_	- /		_	
129:1	Hornsey H	3039	37078	34	16	8	5	-		-	1	-	-	1	-	1	- 1	L
2 8	Tottenham H Edmonton $Ww \S -$	4642 7483	46456. 23463	89 26	87 14	12 2	6		1		, <u>-</u>	1	-		2	8	1 3	
4	Enfield WH	12658	19104	24	9	4	2	-	-,	-	-	-		-	-	-	-	Į.
5	Waltham Abbey Cheshunt	11017 8480	5368 7785	6	3	1	2	-			-		-	-	-	-	-	
186:1	Stratford	882	38606	45	20	4	4	-			-	6		_	_			2
2 8	West Ham wwwwB1	4055	90847	126	54	17	7	-	2	2	-	6	1	-	1	3	-	-
4	East Ham Leyton WwL	3296 4872	10706 82480	26 48	12 28	2 9	2 11	-	8	-	-	2	1	_		1	10	
5	Walthamstow H -	6520	28869	38	19	9	8	-	-	-	-	2	-	-		-	-	I.
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	8	1 -	-	-		-	ī	-	-	-	-	-	7	-	-
189:1	Romford (part of) * W	6730	3411	1	2	1	1	-		_	-			-		-		
2 8	Ilford	8493	7645	7	2	1	-	-	-	1	-	-	-	-	-		-	-
0	Barking Town	4127	9203	15	5	2	1	-	-	-	-	-	-	-		-	-	1

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:

30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1293); 41:1, Bromley sub-district, except the parish of Scherict, except the parish of Chelsfield (pop. 1285); 13:1, the parish of Northaw in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 1285); 13:1, the parish of Northaw in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 1285); 13:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 137:2, Epping, sub-districts,

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

\$\frac{1}{2}\$ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital (see Table 5).

\$\frac{1}{2}\$ Exclusive of deaths of London Workhouse and in Metropolitan Asylum Hospital (see Table 5).

Asylum Hospital, Winchmore Hill (see Table 5).

I On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

ABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 22nd February, 1890.

	Area			L RATE	:		The DE	ATHS	regi	stere	l in t	he W	eek i	inelud	le	
GREATER	in Acres,	Estimated		0 living.	DEATHS from	Deat	ths of		′.	- 1	Death	s fro	m		. ,	Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	13.	15.	16
TER LONDON	448,334	5,758.500	21.2	2.3	2346	518	612	1	26	17	32	131	11	24	83	490
NER LONDON -	77,410 370,924	4,421,661 1,336,889	21·8 19·5	2·2 2·1	1847 499	393 125	475 137	1 -	14 12	13 4	27 5	103 28	9	21 3	77 6	434 56

re.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,166,390 Persons.

	POPULATION	7			ANNUAL	DE	ATHS		PRIN	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
UTTA	433,219	January 11	-		1.2	-	-1-	-	_			_
BAY	773,196	28	313	. 394	22.5	1	4	5	?	1 ?	136	43†
RAS	398,777	., 3	309	282	36.7	-	7	. 5	. 5	?	68	40+
(8	2,260,945	February 15	1311	1151	26.5	1	22	2	34*	25	5	52
ssels 3 Faubourgs.)	471,606	, 15	254	195	21.2	-	1	1	1	3	1	18
TERDAM -	406,402	" 15	286	184	23.2	-	-	-	. 2	. 3	3	
TERDAM -	203,486	» 15	122	94	24.0	-	-	-		. 2	-	2
HAGUE -	156,497	,, 15	97	. 67	22.2	-	-		-	2	5 -	
enhagen -	807,000	, 15	- 232	142	24.1	_		3	15	2		8
KHOLM -	228,218	8	134	84	19.1	-		4	5*	. 1		9
IBTIANIA -	138,300	, 15	80	67	25.2	-	8	2	1	-	12	4
ETERSBURG	924,106	,, 1	-	525	29.6		15	25	. 3	- 6	6	39
LIN	1,526,887	» 1	976	659	22.5	-	2	5	80	21	2	48
IBURG(State)	575,276	» 8	386	323	29.3	-1	1	- 4	11*	- 1	9	67
SDEN	269,250	s, 8	163	127	24.2		2	1	5*	-	1	4
SLAU	324,143	. ,, 15	217	166	27.2	- 1	-	1	7*	1	1	12
TICH	298,000	,, 8	224	154	26.9	- 1	8		9*	1	-	13
NA	822,176	.,, 8	549	416	26.3	-	3	-	8	6	1	15
A-PESTH -	304,356	. ,, 8	-	185	31.7		3	4	. 2	- 1	1	3
ESTE	463,017 160,092	33 8	343	279	31.3	-,		2	. 6	2	4	12
		, 15	108	120	39*0	-	-	-	3	1	-	. 2
12	409,692	December 14	285	248	31.6	1	-	-	4	1	11‡	20
IN (10 days)-	306,398	January 10	239	261	31.1	.1	16	-	. 2	-	8	14
ICE · · ·	156,515	February 8			1 -	-					-	
RO	374,838	January 30	360	314	43.7	-		- '	- 2*	1	24	92
KANDRIA -	231,396	» 30	296	278	62.8	8		-	5*	-	. 8	43
YORK -	1,595,547	February 1	-	782	25.6	-	10	13	24	10	2	: 10
OKTAR -	852,467	" ' · 1	-	370	22.7	-	. 1	3	21	2	5	2 🛥 1
LADELPHIA -	1,040,245	, 1	-	505	25.3	-	3	1	19	1	24	2
TIMORE -	500,343	, 1	4	212	22.1	-	6	1	- 4	644	4	-
V ORLEANS	254,000	January 25		114	23.4	-	~	1	2		,	7

Including deaths from croup.
 Including 5 deaths from cholera in Bombay, and 1 in Madras.
 Including 7 deaths from malarial fever.

Table 9.—METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, February 22nd, 1890. [Under the Superintendence of the Astronomer Royal.]

Colored Colo	Corporation of London. The record of Blectricity is derived from Thomson's self-registering Electrometer. The The record of Blectricity is derived from The Regulive; w. weak; m. moderate; s. strong; and v. variable. The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreement of bright sunshine on each day. The results of all the meteorological observations are to be understored as applying to the	of the jettles of the Foreign Cattle Market at Deptford, and I the jettles of the Market, under instructions from the lerived from Thomson's self-registering Electrometer. The tive; N. negative; w. weak; m. moderute; s. strong; and	k of the Market, under instructions from the m Thomson's self-registering Electrometer. The egshive; w. weak; m. modernels; s. strong; and	e suspended at a depth of two feet below e Foreign Cattle Market at Deptford, and to Market, under instructions from the	Unit autoriston of the profographic 1868, and that of horizontal movement for the 16 years ending 1875, mind that + indicates "higher," and	a discussion of the photographic	the readings of the maximum to of temperature of the air gree of humidity are deduced tometers by Glaisher's Hygro-	wet bulb thermometer, are sedenced from a discussion 1873 for the barometer, and the correcter and	an level of the sea; no	26	1					8.9	0.0	, M		e ng Ozone.	-
Object	by positive, N. negative; w. weak; m. moderate; s. strong; 23, derived from the Campbell-Stokes Sunshine Instrument, origin sunshine on each day.	or not common and supplement and apply 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	k of the Market, under instructions from m Thomson's self-registering Electrometer, reguive; w. week, m. moderute; s. strong.	e suspended at a depth of two feet be Foreign Cattle Market at Deptford, to Market, under instructions from	roum a uscussion of the photograph and that of horizontal movel for the 16 years ending 1875, mind that + indicates "higher,"	a discussion of the photogra	in the corrected mean real the readings of the maxine of the maxingree of the gree of humidity are dedicated by Glaisher's Ho	wet bulb thermometer s deduced from a discu- 1873 for the barometer,	an level of the seg		F0.0	00.0	00.0	70						no o	2
MIPE 1 16 23 28 28 3 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ty is derived from Thomson's self-registering Electron. P. positive; N. negative; w. weak; m. moderate; s. 20, derived from the Campbell-Stokes Sunshine Instruction on each day.	the jettles of the Foreign Cattle Market at Dw the jettles of the Foreign Cattle Market at Dw y the Clerk of the Market, under instruction lerived from Thomson's self-registering Electro- tive; N. negative; w. weak; m. moderate; s.	k of the Market, under instruction in Thomson's self-registering Electro legalive; w. weak; in, moderate; s.	e suspended at a depth of two e Foreign Cattle Market at De ne Market, under instruction	rom a discussion of the 1868, and that of horizonta for the 16 years ending 18 mind that + indicates ".	a discussion of the	In the corrected n f the readings of the ne of temperature gree of humidity cometers by Glaish	wet bulb there's deduced from 1873 for the ba	an level of				0	0.	0.0	0.00	00.0	in.	urface is sinches above the Ground.	in a Gaug whos	Rain
MIP B	fy is derived from Thomson's self-registering P. positive; N. negative; w. weak; m. mode 29, derived from the Campbell-Stokes Sunship pright sunshine on each day.	the jetties of the Foreign Cattle Market, the jetties of the Foreign Cattle Market, y the Clerk of the Market, under ins lerived from Thomson's self-registering tive; N. negative; w. weak; m. mode	k of the Market, under ins m Thomson's self-registering legative; w. weak; m. mode	e suspended at a deptle Foreign Cattle Market, under ins	rom a discussion 1868, and that of 1 for the 16 years e mind that + indi	a discussion	f the readine of the of tem gree of hu	wet bus deduction 1873 for the contract.	1 2 ×	2	Sum 405	-114	-230	-144			+ 1	Miles.	Depar- ine from Average of 6 Years.	1	
MIPE 1 16 23 28 28 3 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	by positive from Thomson's self-representation of the positive of the property of the complete stokes origin sunstine on each day.	or an influence of the Foreign Can y the Clerk of the Market, a lerived from Thomson's self-re tive; N. negative; w. weak;	k of the Market, u m Thomson's self-re	e suspended a e Foreign Cat ne Market, u	for the 1 mind thi	a d	12 32 25 3	9 2 80.0	the me	24	3mm 1680	188	02.	154	350	813			rizontal to the Air to each Day.	Robinsor	
MIPE 1 16 23 28 28 3 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ty is derived from Thomson's P. positive; N. negative; w. 12, derived from the Campbell pright sunshine on each day, eleconological observations are	on an immuse are suspention jetties of the Fore Market Thomson's lerves, N. negative; W. v.	k of the Man m Thomson's legative; w.	e suspe e Fore	1 3 S B		s, we can o can o can o can o can de can ther the can be c	and the principle of the second of the secon	above ta level	3		0.	0.1	0.1	2.	Ę,	7 0.1	-		1	meters.
MIPE 1 16 23 28 28 3 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ty is derived from Tho P. positive; N. negative 29, derived from the Ca bright smishine on each eteorological observation	the jetties of the y the Clerk of the lerived from Tho tive; N. negative	k of the		ing l	yed fre	ometer sted m daily oure al	meter, on of co	59 feet 3e to se 3h. P	-										e on the Foot.	Anemo
MIPE 1 16 23 28 28 3 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Fy is derived from 129, derived from 129, derived from 12 pright sunshine o referred from 12 pright sunshine of referred from 12 pright sunshine of 12 pri	the jetties y the Cleri Jerived fro		mes ar of th k of th	ars enc ric rec	at deri	corrections of mean	thermcollications twen	ter is 1 o redu	-	,									Pressur	sed from
MIPE 1 16 23 28 28 3 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ty is derived 29, derived oright sun	the the y th	e Cler	he Tha jetties e Olerj	e 20 ye momet	ury an	ned the ned the neg the pint tended dry an	the apling the	arome dings t	1		-		ż					l B	ler's.	as dedu
28.0 28.0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	127 92 9 7	waven de of ed b	ed by the	water of the of the of the of the	or the and during the of the ane and 25 it	of the air	ing 1868 is combiners, formily dew poly soft the complex poly dew poly soft the complex poly the contract that the contract the contract the contract that the contract the contract the contract that the contract the contract that the contract tha	aken av sir, the dry alues by made dur	of the b	20	- 5-3	NE.		E. NE. 8	ы́ 	E. R EN	SSE. & E	OGTE 1	P.M.	Os Direction.	Wind
28.0 28.0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	condon. Flectricited are:— in column uration of fall the m	ne end of or ne end of or are register condon.	are register condon.	t wie averag sters in the ne end of or are register	Greenwich discussion e columns 9	dally value	ty years end hermometer thermomete he mean dai daily value	he baromete nean daily v hic records	the cistern	19		NNE.	N. &,NE.	ĕ	ENE. & E.	Ħ	SSW. E	THOM:	A.M.		
MIPE 1 16 23 28 28 3 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	on of 1 cord of employ e. mbers gate di	rmonut be, at the dings on of I cord of employ	dings and on of I cord of employ	rmome be, at tl	rage to ade at from a ing th	mean lables. Frage to	e twen bulb t mum S). The mean	igs of the into into itograp	ght of has be	18	38.5	6.88	9.88	38.7	0.68	38.7	37.9	0.00	Low-	Water hames	53
MIPE 1 16 23 28 28 3 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Corporation The recol symbols en v. variable. The numi the aggrega	ine the surfaction reading the	ir read	tower the the surfaction	he ave	m the trical 'I the ave	ing the dry lumb flumb f	readir verted	he hei	17	30.5	40.5	6.68	39.5	39.4	39.0	4 4	00.4		Of the Tat Dep	ATUR
Difference between the control of	Co the state of th				- 5 t	i i	of the contract of the contrac	eye con of t	Cor	16	81.3	30.8	34.5	8.08	30.5	32.3	0.78	000.17	Lowest on the Grass.		EMPER
Difference between the particular and Down Fount of High Particular and Douglas and Doug						loudles				15	2.69	55.8	39.2	44.5	73.8	0.06	97.8	0			H
Difference between the Air Temperature. And Dow Points. Temperature. Temperature. Mean Great. Least. daily good 0.0 9 4.7 11.0 0.0 9 4.7 11.0 0.0 1.2 2.6 0.0 9 8.8 8.6 0.0 1.2 2.6 0.0 1.2 2.6 0.0 1.2 2.6 0.0 1.2 2.6 0.0 1.2 2.6 0.0 1.2 2.6 0.0 1.2 2.6 0.0 1.3 2.6 0.0 1.4 2 7.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.8 S. B.	aorning					ning;			KS.	14	89	86	100	95	85	98	£ 6	. 6	ration equals 100).	Degree of Hu- midity (Satu-	
Difference before the Air Temperature before the	og in n	ain				till eve			MARI	13	10.4	1.0	0.0	0.0	1.1	0.0	0.0	0.0	Least.	rature pint ire.	поом
TENEER. Trequent frequent fre	morning	thin morning	tnin morning	thin	<u>*</u>	evailed		dy.	AL BE	12	6.5	6.5	0.2	5.6	2.2	9.8	0.11	0 7	Great-	r Tempe Dew P Dew P mperatu	on oo he
	ggy in	equent	equent	tequent	ly cloud	id spnol		lly clou	INER.	111	3.0	4.0	0.0	1.5	4.2	, es	3.1	0 1	Mean daily value.		Diffe
Octobe	Overcast; foggy in morning. Generally overcast; slight fog in morning.	45. 45			partial	light of	Fine; cloudy.	genera	E	101	36.4	84.8	35.4	35.6	35.1			0 0	Mean daily value.	Of the Dew Point.	
	Overc	Overc afterno Overc	afterno Overc	Overc	at nigh	Fine;	Fine;	Fine;		6	+0.3	8.0	- 4.1	- 2.5				0 6			RE.
Of the Air. Low. Daily Mean est. Range. value, dailing. 33.8 15.3 4.6 37.3 9.8 41.6 37.3 9.8 41.6 37.3 9.8 41.6 36.4 5.6 58.8 37.4 5.6 58.8 38.4 5.6 58.8 38.4 5.6 58.8 38.4 5.6 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.4 58.8 38.8 58.8 38.8 58.8 38.8 58.8 58.8 38.8 58.8 58.8 38.8 58.8 58.8 38.8 58.8 5	10.3	8.01 10.3	s.01	8.01	7.01	1.01	1.01	0.01	a sbove orizon, hours.	00	39.4	8.88	35.4	86.8	39.8	9.14	41.6	0 71.0		Lir.	ERATU
Of the Air. Of the Air. Daily Mange. 15.3 4 4 9.8 4 4 9.8 8 9.8 8 9.8 8 9.8 8 9.8 8 9.8 8 9.8 8 9.8 8 9.8 9.									ne, Hune, In In	7	8.0	5.6	2.0	2.2	0.4	8.6	13.5	0 %	Daily Range.	Of the	TEMP
	0.0	6 6	6 6	•	H	10	-1.	41	Registe Sunshi in hou	9	55.9	36.4	34.2	35.7	36.3	37.3	20 00 24 00 24 00 25 00	0 00			
High ear. High ear. 443.1 45.1 45.2 88.2 88.2 88.2 9 8 88.2 9 8 88.2 9 8 88.2 9 8 88.2 9 8 88.2 9 8 88.2 9 8 8 8	morning; rds.	ning; after- ning;	after- after- ning;	ning;	ning;		t noou	1	n of te.)	120	43.9	42.0		38.5	43.3	47.1					
BARDA BARDA Color Colo	m. P. in mor v. P. atterwards.	m. P. in morning: v. N. and v. P. after- wards. m. P. in morning; v. P. afterwards.	and v. P.	in mon	in mor	generally	till after	generall,	ECTRICIT explanatio ols, see No	14	29.845		30.037	59.909	30.057			in.		-	BARO-
Phases of the Moon. Greatest Dec. S. Ferigee. New. BLE ERE Symbol M. P. B. P. Affer M. P. S. P. affer M. P. T. N. A.	m. I v. P. a	wards.	wards.	H.H.	m. P	m. P	W. P. 8. P. af	m.;P	Er (For symb	8	:	In	:	:	New.	Perigee.	Greates Dec. S.		Moon.	Phases	
8 11 14 17 18 19 80 00 00 00 00 00 00 00 00 00 00 00 00	. 21					. 18	, 12	16	S. RY.	ol.	1		. 21		19	18		1:1:	G M Y	0.	
HEBRUARY BUX. BUX. BUX. BUX. BUX. HEBRUARY WED. TTHUES. RET. RET. RET. RET. RET. RET. RET. RET	FRIDAY	HURSDAY	THURSDAY FRIDAY	HURSDAY	EDNEED A	ESDAY	ONDAT	NDAX	DATE	0. of C	BANS		BI.		WED.	LORS.	NOW.	FEBRUA	Монти	189	

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 9. 1890. Vol. LI.]

WEEK ENDING SATURDAY, MARCH 1.

[Price 11d.

General Register Office, Somerset House, 3rd March, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in Twenty-eight Great Towns of England and Wales corresponded to an annual rate of 25.6 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks ending			\$ 41 61-74-6".	Weeks	ending	
Towns.		Mar.	Towns.	Feb.	Feb. 15.	Feb. 22.	
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Derby - Halifax -	19·4 23·8 19·9 2 26·1 30·6 27·0 2 23·2 23·2 30·4 3 20·7 33·8 30·6 3 23·2 22·3 30·6 3 22·8 22·8 14·8 1 34·8 37·5 25·6 2 22·7 24·5 18·7 1 18·6 21·7 18·6 2 22·2 26·7 29·2 2	22·3 23·1 36·3 43·7 84·9 18·1 27·2 16·5 24·8 29·9	London Manchester - Newcastle-on-Tyne Norwich Nottingham - Oldham Plymouth - Portsmouth - Preston	27·2 20·6 30·4 29·1 30·6 19·4 24·9 25·8 29·9 26·8	31·0 21·3 38·6 28·2 24·1 24·1 30·9 34·4 23·0 27·8	30·2 21·8 35·3 25·9 26·8 425·1 33·4 23·8 24·1 37·7	29·5 21·3 40·7 28·5 29·0 21·3 30·9 23·8 22·3 43·1
Huddersfield Hull Leeds - Leicester -	$ \begin{vmatrix} 19 \cdot 9 & 26 \cdot 0 & 24 \cdot 9 & 2\\ 20 \cdot 5 & 25 \cdot 1 & 23 \cdot 9 & 2\\ 25 \cdot 5 & 30 \cdot 1 & 29 \cdot 4 & 3\\ 16 \cdot 6 & 24 \cdot 7 & 23 \cdot 3 & 3 \end{vmatrix} $	21·5 36·5	Salford Sheffield Sunderland - Wolverhampton -	23·2 25·6	27·3 27·5		35 · 1 26 · 4

The highest annual death-rates, measured by last week's mortality, were:—from whooping-cough, 1·1 in London and in Manchester, 1·7 in Brighton, 1·7 in Leeds, 2·3 in Bolton, and 2·5 in Bristol; and from measles, 2·1 in Liverpool. In none of the twenty-eight towns did the death-rate from scarlet fever or "fever" reach 1·0 per 1000. The 36 deaths from diphtheria in these towns included 24 in London, 3 in Salford, and 2 in Liverpool. Small-pox caused no death in any of the twenty-eight great towns.

LONDON.

In London 2560 births and 1803 deaths were registered. Allowing for increase of population, the births were 355, and the deaths 12, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20.6, 21.3, and 21.8 in the three preceding weeks, declined again last week to 21.3. During the first nine weeks of the current quarter the death-rate averaged 25.1 per 1000, and was 2.3 above the mean rate in the corresponding periods of the ten years 1880–89.

The 1803 deaths included 19 from measles, 14 from scarlet fever, 24 from

The 1803 deaths included 19 from measles, 14 from scarlet fever, 24 from diphtheria, 97 from whooping-cough, 7 from enteric fever, 1 from an ill-defined form of continued fever, 12 from diarrhæa and dysentery, and not one from

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

61202.—9. 610.—3/90. Wt.

small-pox, typhus, or cholera; thus, 174 deaths were referred to these diseases,

being 33 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 12; 5 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The death of a child, aged 4 years, in Poplar, and of a child, aged 3 years, in Greenwich, were attributed to chicken-pox. The fatal cases of measles, which had been 21 and 14 in the two preceding weeks, rose again last week to 19, but were 20 below the corrected average; 3 belonged to Clerkenwell, 3 (including 2 in Roscoe Street) to St. Luke, and 3 to Bermondsey sanitary areas. The deaths from scarlet fever, which had been 19, 14, and 13 in the three previous weeks, were last week 14, and were 9 below the corrected average; 3 belonged to Hammersmith and 2 to Hackney sprittery average. The Materiality and Arrhype and Lander France. 2 to Hackney sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1222 scarlet fever patients at the end of the week, against numbers declining in the eight preceding weeks from 1609 to 1247; 88 cases were admitted to these hospitals during the week, against 63 and 89 in the two previous weeks. The deaths from diphtheria, which had been 39 and 27 in the two preceding weeks, further declined last week to 24, but exceeded the corrected weekly average by 7; 3 belonged to Hammersmith, 2 to Chelsea, 2 to Newington, 4 to Camberwell, and 2 to Lewisham sanitary areas. The 97 fatal cases of whooping-cough showed a further decline from the high numbers in the two preceding weeks, but exceeded the corrected average by 9; 6 belonged to St. George Hanover Square, 6 to Bethnal Green, 6 to Newington, 6 to Lambeth, 5 to Battersea, 6 to Wandsworth, and 10 to Camberwell sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 4, 6, and 21 in the three preceding weeks, declined again last week to 12, and were 2 below the corrected average.

The deaths referred to enteric fever, which had been 12 and 8 in the two preceding weeks, further declined last week to 7, and were 4 below the corrected average. The death of a child, aged 6 years, in Chelsea, was attributed to febricula. The Metropolitan Asylum Hospitals contained 52 cases of enteric fever and not one of typhus on Saturday last; 9 cases of enteric fever were admitted during the week.

against 2 and 6 in the two preceding weeks.

The deaths primarily attributed to influenza, which had already declined in the six preceding weeks from 127 to 24, were last week 23; of which 9 occurred in the South, 8 in the North, and 5 in the West groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 439 and 452 in the two preceding weeks, further rose last week to 492, and exceeded

the corrected average by 7.

Different forms of violence caused 52 deaths, concerning all but 1 of which inquests were held. Of these 52 deaths, 7 were cases of suicide, and 2 of murder or manslaughter, while the remaining 43 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 9 by burns or scalds, 2 by drowning, and 13 (including 12 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3380 births and 2248 deaths were registered, corresponding to annual rates of 30.6 and 20.4 per 1000 of the estimated population. In the Outer Ring 23 deaths from whooping-cough, 8 from diphtheria, and 7 from measles were registered. The fatal cases of whooping-cough included 6 in West Ham, and 3 in Stratford sub-districts. Two deaths from diphtheria were returned in Acton and in Stratford sub-districts; 4 fatal cases of measles occurred in Leyton sub-district.

METEROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30·20 ins.; the highest reading was 30·52 ins. on Sunday at noon, and the lowest 29·74 ins. on Saturday afternoon. The mean temperature of the air was 35°·4, and 4°·6 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average on each day of the week, the coldest day being Saturday. The general direction of the wind was N.E., and the horizontal movement of the air averaged 12·5 miles per hour, which was 0·7 of a mile below the average in the corresponding weeks of 16 years. Rain and snow fell on three days of the week to the aggregate amount of 0·22 of an inch. The duration of registered bright sunshine in the week was 9·7 hours, against 29·2 hours at Glynde Place, Lewes.

								-	E.													-									
	CITIES	AND BOROUGHS,	Cols.	- 28 Towns.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON	BIRMINGHAM.	LEICESTER.	Nottingham.	DERBY.	BIRKENHEAD,	Bornow Born	MANCHERTER	SALFORD.	OLDHAM.	BLACKBURN.	Hunnesserer	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	DUBLIK.
111	ALD.	In Centi- nietres.	24.	4.83	92.0	14.0	ı	0.58	0.53	1	1	0.10	ı	1 00	OF 0		1	3	1	£ 1	t	0.50	I	3	1.17	1.00	0.33	1	00.0	0.00	0.10
RAINDARY	11411	'esqoul uj	23.	1.30	0.55	0.16	1	0.11	60.0	1	1	0.04	1	1 1	77 0	1	1		ı	1		80.0	1)	0.46	0.43	0.13	1	00.0	00.0	₹0.0
AIR.	lu.	.entigrade.	22.	2.20	1.89	2.11	1	3.83	1.50	1	1	2.11	1	1 00.0	07 7	,	ŧ	1	ı	1 1	1	2.94	1	3	2.39	3.11	2.67	1	3.61	4.11	4.17
OF THE	Mean,	·tiednerd&'y	21.	36.2	35.4	85.8	3	6.88	24.7	1	1	35.8	ı	1000	7 00		1	1	1	ı	1	87.3	1				8.98	1	38.5	39.4	
ATURE	•	Lowest	20.	23.2		26.5	1	28.4			1	54.6	1		7.07			1	1	ı	1	29.4	1				0	1	27.5		
TEMPERATURE OF THE AIR.	-1	Highes Highest	19.	49.6		7.0 5		49.6 2			1	45.5 2	ı		Z 0 24			1	ı	ſ	1 1	45.0 2		1			46.0	1	52.2		
	athe			0		2.1	141	2.6	-	2.1	8.0		0.1	-	-	3.0	61	₹.0	4.8	0.7	9.0	and the same of the	8.5	1.9	-			0.4 0	3.5 52		3.1 51
Annual Rate per 1006,	corresponding to the Week's Deathe	Сапаев.	17. 18.	9.				00 0										-									_	10	-		
4"	.dis	Causes of De	16. 1	2 25.		18.1	29.0			23.1			24.8			7.05	8.83	_		9.93	29.9					=		16		28.5	
1	-8	ratitution Institution Uncertifie	16. 1	14 102	423 20	11 1	6 1	e1 (2)		29 e	9 1	T- (් ත 1	00 00			25 4	90	23 1	F 0	000	12 3	29 4	_		e :		- -		39 36	-
		ni edtasu ni edtasu oildu Y	14. 1	313 844	4	4 00	9			17	4	e2 :	-					-41	67	o 0	c	00	_	00				₹7		٥.	
ie ie	_	Vlotence.	13.	138 3	52 13	3 1	-	oo -	4 63					1 0				-	5	61 0	1 0		6 1	9	67	ಣ	41	63	4	1	
The DEATHS registered in the Week include		.вю dттві (І	12.	38	12	1 1	1	1 1	-	4	1	_	-		F =	1 0.		1	67	67	1 1	1	20	6.1	1		1	1	1	တ	=
e Weel		Feret.	11:	32	တ	1 =	1	1 1	1	1	ı	c1	1	1 4	B -	0.1	ı	1	7	1 -	4 8	1	4	431	Ţ	1	c.1	1	1		6
od in th	from	Whooping-	10.	168	26	₩ Ң	ı		1 1	63	1	-	~	1 <	2 10	9 00	4	H	c3	1 -	- I	67	12	1	1	Н		,	H	27	
gistere	Deaths from	Diphtheris.	9.	36	24	H 1	1	1	-	ı	1	Н	1	1 0	23		4 00	1	1	1 -	٦.	1	3	1	1	1	1	ı	1	6.3	ı
ATH8 re	I	Searlet Fever.	00	43	14	1 1	1	1 1	1	4	<u>~</u>	\$1	1	1 =	# 1	4	1	1,	Н	1	1	Н	က	9	Н	63	1	1	1	67	1
he DE.		Measles.	7.	62	19	1 1	rel	1 1	1	00	1	1	1	1 2	C7 -	1 10	· -	-1.	-	1	1 1		1	1	1	_	i	i'	9	13	63
I		small-pox.	9	1	1	1 1	1	1	1 1	1	1	1	1	1	1	1	l I	. 1	1	1	1 1	1	.1	1	1	1	1	4	1	1	ı
	hs of	Persons axed 60 Years snd upwards.	5.	1290	202	14	200	16	20	93	12	27	13	17	00	X X	13	24	11	30	12 0	46	99	000	24	16	16	9	40	99	19
	Deaths	infants under l Year of Suc.	4.	887	368	11	00	4 9	27	233	12	10	2	00 3	69	20	9.4	1 1	12	18	o 0	88	54	32	16	17	10	00	21	20	52
during	ending	DEATHS.	65	4777	1803	45	53	36	151	205	53	100	48	45	247	2000	184	101	98	18	24	161	255	224	88	69	SS	53	140	287	208
Registered during	the Week ending	BIRTHS, DEATHS.	2,	5764	2560	107	64	154 104	621	265	93	125	47	92	282	0.2	134	69	69	63	42	124	250	181	116	7.0	143	96	129	413	217
	POPULATION		1.	9,715,559	4,421,661	123,659	142,952	78,780	232,248 83,406	461.865	154,344	244,909	100,871	105,049	613,463	010,010	649.509	146,716	123,555	105,163	82,034	240,515	863,799	\$32,887	213,833	126,506	162,987	117,012	271,185	530,108	353,082
			Cols.		,			٠	NOL		•	•							٠			•				•	•	2	•	•	•
	CTTIES	AND BORUUGHS.		28 Towns	LONDON -	BRIGHTON	PORTEMOUTH NORWICH -	PLYMOUTH .	USISTOL	RIDMINGHAM	LEICESTER -	NOTHERBAM	DERBY .	BIRELNHEAD		DOLLON .	SATEORD .	OLDHAM .	BLACKBURN .	PRESTON	HALIPAX .	BRADFORD .	LEEDS .	SHEFFIELD .	HULL .	SUNDERLAND	NEWCASTLE -	CARDIER	EDINBURGH -	GLASGOW -	DUBLIN .

TABLE 1.-BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 1st March, 1890.

Table 2. LONDON .- Births and Deaths Registered in the NINTH Week of each of the

	1880.	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2777	2620	2589	2773	2751	2623	2640	2572	2778	2608	2914·9	2560
	1446	1348	1291	1386	1407	1378	1392	1267	1439	1321	1491·2	1264
	1331	1272	1298	1387	1344	1245	1243	1305	1339	1287	1423·7	1296
Total Deaths Males Females .	1607	1633	1790	1590	1483	1495	2143	1635	1794	1472	1814·7	1803
	810	850	868	795	768	751	1027	812	910	787	903·1	888
	797	783	922	795	715	744	1116	823	884	735	906·6	915

^{*} The numbers in this column are the average weekly numbers in the ninth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LUNDON		,	,							THIK:		VVEEP	
	Dec.	Dec. 14.	Dec. 21.	Dec. 28.	Jan.	Jan,	Jan. 18.	Jan. 25.	Feb.	Feb. 8.	Feb. 15.	Feb. 22.	Mar.
TOTAL Births -	2270	2535	2513	1815	2961	2818	2714	2510	2699	2707	2793	2702	2560
Total. Deaths	1683	1768	1816	1690	2371	2747	2720	2227	1849	1749	1809	1847	1803
Ages at Death 0-20 years 20-40 " 40-60 " 60-80 " 80 years & up wards	196 294 392	719 227 312 418 92	723 216 348 424 105	651 220 332 396 .91	834 346 541 552 98	939 367 670 640 131	909 450 666 576 119	775 349 510 503 90	703 282 369 390 105	714 238 334 363 100	763 218 357 390 81	753 256 363 374 101	739 234 325 418 87
"" \begin{cases} \text{Under 1 year} \\ 1-5 \\ 5-20 \end{cases} \text{.}	265	375 247 97	364 261 98	326 232 93	398 310 126	430 375 134	415 314 150	386 294 95	350 250 103	37 2 254 88	352 306 105	393 259 101	368 263 108
Deaths from Small-pox "" Measles - "" Scarlet fever "" Diphtheria "" Whooping-coug "" Typhus "" Enteric fever "" Simple Contafev "" Diarrhœa and "" Dysentery - "" Cholera - "" all the above- mentioned Diseases	8 2 12 -	30 12 .85 49 - 15 - 14 -	35 22 27 60 1 12 - 13 -	29 14 26 67 2 13 - 19 -	98 -12 -10 -203	24 13 26 112 - 11 1 12 -	24 92 22 104 - 14 1 . 6	21 10 22 82 1 10 - 14 -	11 14 24 67 - 9 - 134	-8 19 24 91 - 2 - 4	21 14 89 115 - 12 1 6 -	1 14 13 27 103 - 8 1 21 -	19 14 24 97 7 1 12 —
" Dis. of Respira- tory System " Phthisis " Dis. of Circula- tory System	161 165	552 182 163	518 161 189	467 180 158	843 247 222	1069 267 275	1010 312 209	736 239 193	550 220 116	485 209 154	439 215 143	452 218 162	492 224 146
Violent Deaths Inquest Cases Deaths in Public Institutions	. 56 . 128 358	55 124 422	69 156 419	121 400	91 195 494	55 192 534	65 171 626	60 142 491	62 127 470	58 125 401	56 137 436	77 143 434	52 134 423
TEMPERATURE OF THE AIR Nean Mean of Highest readings Mean of Lowest readings	32·1 35·8	38·1 42·5 31·9	43·5 47·3 38·1	39·8 44·0 35·2	32·8 36·7 28·5	47·6 52·4 43·0	6 45·5 50·6 39·4	42·7 48·4 36·9	42·9 48·3 38·2	42.7	35 9 41 · 7 30 · 8	39·4 43·9 35·9	35·4 42·0 30·4
Humidity of the Air - Rain-fall in inches - Registered Sunshine (in bour	85 0 · 23 8 · 4	92 0·23 4·4	94 0·33 2·1	90 0·61 3·2	97 0·11 5·0	89 0·40 10·1	86 0·13 7·3	84 0·77 14·9	90 0·73 8·9	89 0.05 9.5	87 0·88 31·2	89 0·04 12·4	87 0·22 9·7

METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:-F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincett, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhaupton, Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingman; J. Barthup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., P.G.S., F.R.Met.Soc., Eradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

Deaths from different Causes.

TABLE 4. LONDON .- DEATHS Registered at several groups of AGES from different Causes in the

1,1,2,2,2					3	NIN	TH	W	eek	of the Year 1890.
	r the					ek en Marc				In the Week ending Saturday, 1st March 1890.
	20			eaths	s of P	Person				Dardy of Paragraph
	ted Averages Veeks of the 1 1880-89.	-			the A	0,	0.	80.1	1-	the Ages
CAUSES OF DEATH.	Ave Ks of 1880-	20		Under 20.		under 4	under 60	under 8	and s.	CAUSES OF DEATH. 4 4 50 840 20. Under 20. The standard of the
	Weel	AGES			1			nd un	y Years upwards.	
	Corrected 9th Week	ALL	0-1.	1-5.	5-20	20 and	pue 05	50 and	so Jup	Correct Sth W ALL A ALL A 0-1. 1-6. 5-20. 20 and 40
ALL CAUSES	1814.7	1803	368	263	108	234	325	418	87	Division of Oresta of D
		-	-	-	-	-	-	-	-	Diseases of Organs of Special Sense † } 2.7 8 - 4 1 1 - 2 -
Small- pox Vaccinated Unvaccinated	12.4	-	-	-	-	-	F	-	-	Diseases of Circulatory 123·1 146 2 1 17 44 53 13
Measles	88.9	19	4	15	-	-	-	-	-	
Scarlet Fever	22'7	14	-	13		1	-	-	-	Bronchitts 319 0 323 65 48 5 9 58 121 22 Pneumonia 103 4 111 21 27 6 18 17 20 2
Typhus Relapsing Fever †	0.0	-	-	-	-	-	-	-	-	Other Diseases of Respi-1 40.9 82 5 7 2 1 7 8 2
Influenza Whooping-cough	0°3 87°9	23 97	31	60	6	6	4	10	1 -	ratory System 5
Diphtheria	16.9	24	8	10	11	-	-	-	-	Dentition † 17.2 7 6 1 - - - - -
Simple Continued and Ill-defined Fever -	1'4	1 7		-	1 3	-	-	-	-	Enteritis 4.9 5 3 1 - 1 - 2 - Peritonitis 68 4 1 1 - 2 - Disease of Liver - 81.6 29 1 5 9 12 2
Enteric Fever Cholera	0.0	-	-	-	-	8	-	1 -	-	Other Diseases of Digestive System - 30.4 21 2 - 4 2 5 8 -
Diarrhœa, Dysentery - Remittent Fevert	14·8 0·1	12	6	6	-	-	-	-	-	
Hydrophobia	0°2	-	-	-	-	-	-	-	-	Diseases of Lymphatic System & of Ductless Glands †
Glanders	0.0			-		-		-	-	
Vaccination † > Venereal Affections	11.1	13	11	1	-	-	-	1	-	Diseases of Urinary 49.0 46 8 2 8 9 17 12 -
Erysipelas – – – Pyæmia and Septicæmia †	6'5 3'1	7	2	1	-	1	2	-	1	Diseases of Generative 7.4 5 - 2 2 1 -
Puerperal Fever	7.8	5	-	-	-	4	1	-	-	System Accidents of Childbirth - 4.9 4 4
Other Zymotic Diseases †	1.7	4		8	Ŀ	1	-	-	-	Diseases of Locomotive \ 10.2 9 - 1 4 2 1 1 -
Thrush Worms and other Para-	2.0	2	2	-	-	-	-	-	-	System †
sitical Diseases}	0.7		_	-		-	-		-	Diseases of Integumen- tary System} 6.8 6 1 1 2 2 -
Starvation, Want of Breast-milk †}	1'9	2	2	-	-	-	-	-	_	
Alcoholism	4:1	5	_	-	-	3	2	-	-	VIOLENT DEATHS.\$
Rheumatic Fever.	7.9	8	-		8	2	1	2		(ACGIDENT.) Fracture and Contusion 20'3 15 1 2 3 - 5 4 - Guasiot Wound - 0'2
Rheumatism of Heart† } Rheumatism †	2.1	5	-	-	-	-	2	2		Burn and Scald 8.1 9 2 4 - 1 - 2 -
Gout Rickets +	3'3 3'8	8 3	1	-	-	-	1	2	_	Poison 1'4 1 1 1
Cancer	50.2	64	-	-	1		85	18	5	Suffocation 15.0 13 12 1 - - 1 1 - -
Tabes Mesenterica - Tubercular Meningitis -	26.9	13 15	8	1		-	-	-	-	(Homioide.)
Phthisis	178'4	224	8	2	19	104	3	19		Murder & Manslaughter 0.7 2 1 1
Scrofula, Tuberculosis - Other Constitutional)	17.0	22	6		١.	4		1		
Diseases † S			-	-		2	2	-	1	(SUIGIDE.) Gunshot Wound 0.9
Premature Birth Atelectasis †	39.1	41 2	41 2		-	-	-	-	-	Poison 1'9 2 - - 1 - 1 - - - - -
Congenital Malforma-	8.3	5	4			-	_	-	-	Drowning 1'5 1 1 Hanging 1'9 8 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Old Age		59	-	-	-0	-	-	23	31	
Apoplexy	47°9	48	2	-	-	8	8	80	8	(EXECUTION.) Hanging 0.0
Epilepsy Convulsions	6.8	8	-	1	-	. 1	2	1	-	Administration
Other Diseases of Brain	10417	101	16			1	i	33	3	OTHER CAUSES † 63°7 50 43 2 - - 8 2 -
and Nervous System										

61202,-9.

r 3

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population. As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated," which are so certifed by registered medical men. When medical attendant does not certify that the decessed has, or has not, been vaccinated, or when the cause of death is not critical by a registered utitions, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, mander, unslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

													_	_				_
							The	DEA	TES:	regist	ered i	in the	Wee	kine	lude			
	Enume-			Deat	ths of					Deat	hs fro	m				1		
REGISTRATION	rated Popu-	EB.	. не.	0° 1	d 60 wds.			2	1	ugb,	1	(or	i i	1			Publie,	Uncertified Causes of Death.
SUB-DISTRICTS.	lation,	Вівтия	DKATER	under of Age.	aged a	OX.		Scarlet Fever.	ria.	Whooping-cough		Or d) Fe	son-	1088.	å	Case	Deaths in Pu	led C
	1881.	Total I	Total 1	Infants Year o	Persons Years	Small-pox.	Measles	rlet	Diphtheria	toopi	Typhus	Enterie (o	Simple e	Diarrho	Violense	Inquest Cas	the	Pertin
AND THE PROPERTY AND PERSONS ASSESSED TO SEE STATE AND ASSESSED TO SEE STATE ASSESSED.		Ħ	Ĕ.	Inf	Per	Su	- We	36	Ιία	W	H	Ent	Sin	ia		I I	De	Co
LONDON	3,815,704	2560	1803	368	505	-	19	14	24	97		7	1	12	52	134	423	20
WEST DISTRICTS	669,638	876	316	56	89		2	8	7	17	- 3	2	1	2	8	19	86	1
NORTH DISTRICTS	905,947	583 146	376 142	87 18	119 39		3	1 -	3	12	-	1	-	6	12 6	30 16	81 39	2
EAST DISTRICTS	692,738	489	347	88	98	-	4.	8	2 8	23	F	2	-	2 2	14 12	43	105	8
METROPOLITAN ASYLUM HOS-	1,265,148	966	620	124	165	-	- 1	2	-	22		2	-	-		26	110	14
PITALS OUTSIDE REGISTRATION LONDON WEST IDENTICES.				-								-				-	-	-
St. Mary Paddington WHH G.J. &W.M. St. John Paddington H G.J.	. 69888 37830	44 9	46	18	13	-	1	-	-	4	-	-	-		1 -	4	6	1 1
Kensington Town Ww W.M. Brompton H W.M. & C	190141	59 10	48	9	12	-	= /		=	8 -	-	-	-	-	2	2	12	
St. Peter Hammersmith W.M. St. Penl Hammersmith H W.M. & G.J	7599 64340	- 3 60	1 81	9	10	-	-	1	3	2	-	ī	-	-	ī	4	-	- 1
Chelses South HHH' C.	30396	54 36	39	7	7 3	-	-	2 -	1 -	1 -		1 -		H		4	11	
Chelsea North-east WHHHHH C.	24925 82807	15 19	23 12	2 2	9	-		-	-		-	-	ī	1	2	2	15	-
May Fair WW G.J. Belgrave WHHH C. St. John Westminster HHH - C.	80353 59220 35498	9 24 26	17 34 13	6 2	10 5 3	-	1	=	2	5	-		-	1	2	2	12 16	1
St. Margaret Westminster H - C.	24679 29941	8	6 9	1	3 2	-	-	-	1,	-	-		-	-	-		2	-
St. James Westminster WHH N.R.&G.J St. Anne Soho HHHHHHHH - N R.	16608	5	11 .	î	8		-	-	-	ī	-			-	-	-	8	-
NORTH DISTRICTS. All Souls Marylebone HHHHH · W.M.	26759 14891	8	18	~	8 2		-	-	-		-	-	-	-	ī	2	10	-
All Souis Marylebone HHHHH W.M. Cavendish Square HHHHH G.J. & W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HH G.J. & W.M. St. Shak Marylebone HH W.M. St. Shak Marylebone H W.M.	24809 21118	10 25	14	3	2	-	-	-	-	1	-		-	-	=	1	2 8	
St. Julii Dial Alendine	00000	17 21	10	8	2			-	ī	1	-	-	-	ī	-	1 -	-	-
Hampstead WwwHHHH N.R. & W.M. Regent's Park Paneras H W.M.	89115	34 18	16	3	5 8				1	1	-	-	-	1	-	2 2	3	1
Tottenham-court wHHHH N.R.&W.M. Grav's Inn Lane HHH N.R.	27729 80247	14 16	14	2 2	2	-	-	-	-		-	-	-	=	1	1	5 5	-
Somers Town H N.R. Camden Town WH N.R. Kentish Town W N.R.	84369 17811 87487	22 11 58	8 19 84	6	11 12		1	Ξ	-	1 3	-	-	=	1 -	1	1	15	
Upper Holloway WWwH N.R. Islington South-west HH N.R.	67946 100976	55 65	48	8	14		1.	-	-	. 3	-	-	-	ī	1	3	20	-
Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R. N.R.	61895 52048	23 38	13 19	8	8	-	ĩ	-,	-1	. 20	=	-	=	1 -	=	2 2	-	1
Stoke Newington H N.R. Stamford Hill E.L.	92781 9277	17 8	13	1 1	5 3 4	7	-	-	-		-	-	-	1 -	1	1	-	-
West Hackney H N.R. Hackney WwwwH - E.L.&N.R. South Hackney E.L.	87610 76911 39883	34 42 38	19 34 12	1 7 4 4	17		1 .	ĩ	-	1	1 1 1	-	=	=	3	1 5 2	13	
CENTRAL DISTRICTS.			5		2													
St. George Bloomsbury St. Giles South WH N.R. St. Giles North N.R.	16681 14864 13887	11 10	11 3	-	5	=	1.1	-	-		-	= -	-	=	-	1	6	-
St. Martin-in-the-Fields HH N.R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	17508 7515	3	6 2	-	3 -		-	-	-	-	-	-	-	-	1	2	2	
Strand Union Workhouse, Edmonton w.	8559	2 -	11 4	2	8	-	-	-	1		-	-	= 1	-	=	4	1 5	
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Saffron Hill H N.R.	18671 10706	7 4 2	11 3	1 -	4	-		_	· 1	-	-	-	-	=	-	2	4	-
Mt James (Hersenwell N.R.	6588 17516 19281	12	9 7	2 2	2	1 1 1	1 2	-	-		-	-		-	Ξ	-	-	-
Pentonville N.B. Goswell-street N.R.	14773 17506	11 18	5 9	1	2	111		-	=		-	-	-	-	1 -	1 2	-	-
Old-street H N.R. City-road HHL N.R.	11541	19	3 12	1 4	5	-		-	-	-	-	-	-	=	1	1	-	7 - 6
Whiteeross-street N.R. Finsbury - N.R. Holborn Union Workhouse, Mitcham, w.	9217 7468	2 -	6 3 1	1	1		3	1 1 1	-	7 61	-	-	-	-	1 -	1	-	-
St. Botolph H N.R.&E.I. Cripplegate N.R.	7198	11 2	4	-	4			-	+		-	,-	-	-	-	-	1 -	-
St. Sepulchro H N.R. St. Bride W N.R. Allhallows Barking N.R.	5358 8396	2	18	ĩ	3 -	-	-1	-	2 -	1	-	-	3.	-	1	1	16	
Broad Street H N.R.	13666 5652	3	1	1	2 -	-	-	-	-	-	-	1	-	=	=	-	=	-

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving immates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambath; N. R. New River; E. L., East London; and K., the Kent Company.

VER, DIPPTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

urday, 1st March, 1890.																		
				١			Th	e DE	ATHE	regist	ered	in the	Wee	k inc	lude			
	Enume-			Deat	hs of	_				Death	s from			,			Ic	99
REGISTRATION SUB-DISTRICTS,	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever	Simple con- tinued Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Publinstintions.	Uncertified Causes of Death.
East Districts. lywell Shoreditch HL^{\oplus} , N.R. & E.L. Leonard Shoreditch HL^{\oplus} , N.R. xton New Town w - N.R. xton Old Town - N.R. & E.L. sgerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	13 27 26 39	4 5 19 9 20	1 5 8 6	CO - CA BO TO	1,1,1,1	-		1111	3	11111	1	11/11/1	11111	1	1 2 - 1	1 5 10	11111
thnal Green North H - $E.L.$ thnal Green South - $E.L.$ thnal Green East WHL^* - $E.L.$	51157 34399 41405	40 22 31	11 . 11 . 84	3 3	1 2 16	- - - -	1 -	-		1 2 3	- 1 -		-	1	1.4.1	1 2 1	16	111
talfields E.L. & N.R. te End New Town W E.L. titechapel Church H E.L. & N.R. odman's Fields F.L. tgate N.R. & E.L.	22585 15473 17490 9713 6102	15 17 10 - 4	11 10 28	8 1 4 -	4 4 3		1			1111	11711	1111	11161	1111	3	1 9	6 24	1 1 1 1 1
George's, North E.L. John, St. George East W - E.L.	88747 8410	28	17 10	5 3	5 3	Ē	-	-	-	1	-	-	-	111	1 1 1	- 2	- 6 9	2 -
adwell H E.L.& N.R. teliff E.L. nehouse E.L.	10895 16107 32041	7 23	14 7 14	6 1 3	3 2	Ē	1	-	1	3	1 1 1	-	-	7	-	1	- 1	-
le End Old Town West H - E.L. le End Old Town East $WwwH$ - E.L.	87960 67653	24 43	13 31	10	9	-	-	-	*	2 2	1 1	-	1 1	ī	6	8	6	ī
WL^* - E.L. omley $wvwH$ E.L. plar WWH E.L.	37074 64359 55077	28 45 30	18 29 31	9 5 5	10 12	•	ī		1 -	1 2 2		1		1 1 1	1 2 -	6 4	13 8	-
South Districts. ristchurch Southwark WH L, & S. Saviour Southwark - S. nt-road S. & L. rough-road WH - S. & L. adon-road HL - L. & S. nity Newington - S. & L. Peter Walworth W - S. & L. Mary Newington - L. & S.	13663 14999 21381 15958 21318 26672 59555 21623	11 9 12 17 12 23 47	5 7 5 12 6 11 33 11	2 3 1 3 2 3 9 3	1 2 - 3 - 1 8 3	1111111	1111111	1 - 1 - 1		1 - 31 24 3 -	1111111	1111111	1111111	1111111	1 - 1 -	1 1 - 2 -	3 - 1	
Olave WH S. & L. Ather Market S. & L. Mary Magdalen W - S. L. James Bermondsey - S. therhithe WH S. & K.	11956 16800 15669 54682 86024	8 11 13 45 29	17 6 5 15 31	2 2 4 8	6 1 3 2		1 - 2 1		1 -	- - 1		11111	11111	1	1	1	3 4	1 - 2
terloo-road lst # -	15195 16351 19876 39859 45282 35382 62837 19017	7 15 13 46 41 16 85 13	6 6 9 23 17 10 27	1 8 5 2 4	1 12 2 2 6 3	1111111	11111111		1111111	1 4 1		1	11111111	11111111	1	1 1 1 1 1 1 1	1 17 - 1 2	1
t Battersea	54675 52587 86380 28004 18235 25553	54 43 27 29 10 12	21 83 16 15 3 15	6 5 3 4 -	28 2 3 2 4	111111	1,1111	1	111111	- 5 - 4 - 2	11111	1	11111	111111	1 2 -	1 2 1	6 - 2	11111
wich	5590 59104 71089 50810	1 50 44 24	1 10 44 20	- 6 5 4	22 19 7	1111	1111	1111	2 -	- 4 3 3	-	11 11		1111	1111	2 2 1	25 8	1 2
Paul Deptford own 'K. Nicholas Deptford K. senwich West H K. senwich East WHH K.	76752 7901 21972 24608	63 7 9 22	41 6 7 19	8 1 2 3	10	1111	-1-1-1	3 -	1	1 -		1111		1111	1 - 1	1	5 -	1 1 1
ham H K. H K.	5048 21559 19865 26076	3 8 17 18	9 12 8	4 2 3	2 4 1	1111	1111	1 111	1 1 -	1	1111	1111		11,11	1111	1111	2	
arlton H/I K. olwich Dockyard K. olwich Arsenal HH K. mstead, West H K. mstead, East W K.	10980 17617 19049 14009 19241	3 16 13 14 36	4 3 6 3 16	1 1 1 6	2 1 1 1 4		11111	1111	-	1 3	11111	11111	11111	11111	1	2 -	2	14111
tropolitan Asylum Hospitals: Dariford w Winchmore Hill w			2			1 1	-	- 2	171	-	1.1			1.1	7		2	-

e following Workhouse Establishments are indicated in the above Table by w (see note at foot of preceding page):—

Marylebone Infirmary in Kensington Town sub-district.

Schondon City Workhouse in Upper Holloway sub-district.

"Hexton New Town sub-district.

"Hexton New Town sub-district.

"Mile End Old Town Eastern sub-dist.

"Mile End Old Town Eastern sub-dist.

"Mile End Old Town Eastern sub-dist.

"Mile Sub-district.

"Mi Stepney Worknouse in Bromley sub-district.

Poplar & Stepney Siok Asylum
Westmunster Union Industrial School in West Battersea sub-district.

St. Saviour's Infirmary in Camberwell sub-district.

Metropolitan Asylum District Hospitals in Fulnam, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.

Strand and Holborn Workhouses outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during the

				We	ek en	ding !	Satur	day,	1st M	larch,	1890).						(3)
Regis-		Area			1	1			The D	EATHS	regist	ered iz	the 1	Week i	inelude			1
tration District		Acres,	Enume-		rô.	Dea	ths of	_			Death	s from	1					38
and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	Popu- lation, 1881,	BIRTHS,	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LON	DON-OUTER RING	370,924	950,957	820	445	94	123	-	7	2	8	23	1	3	8	16	65	5
80:1	Carshalton wZ - Epsom (part of)* WwH	12228 9971	21118 10710	14 8	12	3	2 3	-	-	-	-	2	-	1 -	-	-	7 2	Joseph .
37:1	Godstone (part of) * -	2754	1235	1	1	-	-	-	-	-	-		-	-	-		1	-0
88:1	Croydon WwHHL -	20851	101241	88	35	8	12		-	-		;	-		1	2	7	-2
39:1	Mitcham w † Wimbledon HHH -	11697 3220	17932 15950	13	7	3	2 1	_	_			-	_	-		_	-	70
2	Kingston WHH	8549	36354	12 14	6 14	1	6	-	-	-	-	-	-	-	1	2	5	-
8	Esher (part of) * - Hampton H	6601 4573	9221 18539	8	3		2	-		-		-	1	_	1	1	-	7
40:1	Richmond WH	2272	21302	10	12	3	4	_			_			-	1	3	2	-1
2	Mortlake	2941	12331	7	4	2	-	-	-		-	1	-		-		-	-3
41:1	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	15669 14807	81142 15844	23 22	15 11	8 -	4	-	-	-	-	1	7.	1	1 -	1 -	2 4	1
42:1	Bexley H Dartford (Ww, pts. of)*;	18487	24184	10	12	2	3	-	-	~	-	1	-	-	1	1	1	1
124:1	Sunbury w	11055	11685	6	3	-	2		-	-	-	-	_	-	_	-	-	-3
2	Staines W	18277	12089	4	8	1	2	-	-	-	-	1	-	-	-	-	-	- 1
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 5225	4 8	7	-	9	-	-	-	1	-	-	-	-	-	2	-
8	Hayes wHL	14587	11523	10	8	2	3			- }	-	-	-	-	1	1	4	-/
126: 1	Isleworth WHH -	7008	22727	16	12	1	6	-	-	-	-	- 1	-	-	-	1	7	-
3	Twickenham H	2477 4345	12479 27649	6 22	5	1	3	_	_		-	1	_	1	7			
4	Chiswick	1340	15975	18	6	2	1	-	-	-	-	-	-	-	-	-	-	1.
127:1	Acton wH	6088° 13809	22876 12796	31	10	3	4		-	1	2		-		-	1 .		-
2	Edgware H	6994	3749	4	1	_	1 _	-	1		-	-	-	-	-	-	-	-9
8	Willesden Hendon W	4383 8382	27453 10484	30	25	6	8	-	-	-7	-	1 -	-	-	-	-	-	-
137:1	Bushey	9331	6621	9	10	1	3	4-	_		1-	-	_	_		_	4	
2	Watford (W, pt. of) -	-	M4 To	-	-	-	-	-	-	-	-	- "	-	-	-	-	-	-
128:1	South Minms	155 99 54 83	6391 10092	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-
3	Finchley HL	4638	17615	16	2 14	3	6	-			-	1	-	-	-	-	6	-
185 : 1	Hatfield (part of) * -	3306	583	1	-	-	-	-	-		-	-		-	-	-	-	2
128:1	Hornsey H	3039	37078 46456	25	17	8	3	-	-	-	-	1	-	-	-	-	-	-
8	Tottenham H Edmonton Ww -	4642 7483	23468	51 28	19	3	5			-	-	-	-	-	-	1	3	-
4 5	Enfield WH Waltham Abbey	12653 11017	19104 5968	18	8	-	-	-	-	-	-		-	-	1	1	-	-
. 6	Cheshunt	8480	7785	3 5	1 8	-	1 -	-	1	-	_		-			-	-	-
186:1	Stratford	882	38606	28	17	5	8	4	-	1	2	3	-,*		-	-	-	-
3	West Ham wwww# East Ham	4055 3296	90847 10706	110 22	52 16	20	7 2	-	1,		1	6 2	-	-	-	-	1	2
4	Leyton WwL	4372	32430	46	18	4	7	-	4	-	-	-	-		-	-	7	-
187:1	Walthamstow H - Chigwell (part of) * H	6520	28869	41	12	2	1	-	-	-	1	7	-		-	-	-	1
101.11	Epping (W, pt. of)* -	11761	9669	12	4	1 -	-	-	-	-	1 -	-	_	-	-	-	-	1
189:1	Romford (part of) * W	6730	8411	4	1		-	-	-	-	-	-	-	4.1	-	-	-	-
8	Ilford Barking Town	8493 4127	7645 9203	10	3		1	-	-	-	-	-		-	-	1	-	-
		1	-	1	1 -		النا				-		1	1	1			

^{*} The parts of sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 93:3, Esher sub-district, except the parish of Esher (pop. 1263); 41:1, Bromby sub-district, except the parish of Cadham and Knockholt (pop. 1818); 41:1, Chigwell sub-district, except the parish of Chelsfield (pop. 1945); 135:1, the parish of Northam in Hardled sub-district, except the parish of Theydon B ** (20) ... 375); 189:1 the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

\$ Exclusive of deaths of London residents in Metropolitan Asylum Hospital (see Table 5).

\$ Exclusive of deaths of London Workhouse and in Metropolitan Asylum Hospital (which workhouse 1111/222 Table 5).

Asylum Hospital, Winchmore Hill (see Table 5).

On 1st January the two parishes of East Ham and Little Hord were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 1st March, 1890.

	Area			L RATE			The Da	ATES	regi	stere	l in t	he W	eek i	nolud	le	
GREATER	in Acres,	Estimated Population.		O living.	DEATHS	Deat	ths of			1	Death	s from	m			Publie ions.
LONDON.	including tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	
TER LONDON	448,334	5,758.500	20.4	5.0	2248	462	628		26	16	32	120	9	15.	60	488
NER LONDON -	77,410 870,924	4,421,661 1,336,839	21·3 17·4	2.1	1803 445	368 94	505 123	-	19	14 2	24 8	97 23	8	12	52 8	423

re.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 6°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,214,602 Persons.

	Population	Dur				ANNUAL	DE	ATHS	FROM	PRIN	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETUR Week endi	_	BIRTHS. Exclusive of	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoal Diseases.
CUTTA	433,219	January	11	-	258	31.0	4	_	_	_	1	. 72	64+
BAY	773,196	February	4	325	403	23.1	3	6	2	9	?	118	40+
RAS	398,777	January	10	300	275	35.8	2	2	?	5	2	59	61+
18	2,260.945	February	22	1209	1243	28.6	1	20	2	38*	16	17	41
sskls 3 Faubourgs.)	477,288	33	22	241	210	22.9	-	2	-	-	4	~	14
TERDAM -	406,402	1)	22	282	195	24.9	-	4	-	2	6		-
TERDAM -	203,486	33	22	171	104	26.5	-	_		2	2		1
HAGUE .	156,497	33	22	112	57	18.9	-	-	-		1	1	
BNHAGEN -	307,000	92	22	219	149	25.3		_	5	12	2		. 8
KHOLM .	228,218	33	15	146	102	23.2	_	_	9	8*	1		11
ISTIANIA -	138,309	22	22	53	44	16.2	-	1	1	5	1	1	
RTERSBURG	924,106	99	8	-	526	29.7	Pet 1	13	29	8	3	12	42
CIM	1,526,887	93	8	971	630	21.5		8	7	25	17	2	34
BURG(State)	575,276	93	15	415	273	24.7	_	-	2	7*	4	4	29
SDEN	269,250	93	15	173	131	25.3	-	-	- Can	6*	State	1	16
BLAU	32 1,143	93	22	203	156	25.6	-	-		6*	1	_	4
ICH	298,000	92	15	227	219	38.2	-	5	2	. 6*	2	1	13
INA	822,176	23 .	15	535	423	26.3	1	5	-	8	4	-	20
GUE	314,425	99	15	-	178	29.5	-	1	4	5	5	1	6
A-PESTH -	463,017	33	15	844	306	34.4	-		1	13	1	. 4	15
STE	160,092	22	22	96	138	44.8	-	4	1	2*	4	-	2
B	409,692	December	21	275	252	32.1	-		-	2	-	121	11
in (10 days)-	314,827	January	20	250	369	42.8	-	8	_	1	-	7	19
ICB	156,515	February	8	96	97	32.3	13	-	-	-	1-	3	5
LO	374, 838 .	n	6	404	351	49.2	-	-	-	-	- 5	15	90
KANDRIA -	231,396	19	6	234	253	57.0	1		-	2*	-	7	46
YORK -	1,595,547	99 *	8	-	765	25.0	-	10	10	84	12	9	18
OKLYN -	852,467	2)	8	-	365	22.3	-	**	4	23	4	1	1.
LADELPHIA	1,064,277	99	8	-	461	22.6	-	อั	3	19	2	13	6
TIMORE -	500,343	n	8	-	189	19.7	-	6	-	7	2	3	1
ORLEANS -	254,000	33	1	tre .	119	24.5	-	-	-	1	-	3	9
	* T1	ncluding dea	the f	wom onoun				_			1		

^{*} Including deaths from croup.
† Including 30 deaths from cholera in Calcutta, 7 in Bombay, and 3 in Madras.
‡ Including 10 deaths from malarial fever.

TABLE 9 .- METEUROLOGICAL OBSERVATIONS taken at the ROIAL OBSERVATORY, GREENWICH, during the Week ending Saturday, March 18T, 1890. Under the Superintendence of the Astronomer Boual.

1.5 0.0 2.0 2.1 8.0 the sea; no The average temperature of the air is that derived from a discussion of the photographic exe-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading and minimum thermometers, forming the mean daily value of temperature of the air from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrorecords made at Greenwich during the 20 years ending 1868, and that of horizontal movement The thermometers in the water of the Thames are suspended at a depth of two (eet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the symbols employed are :- P. positive; N. negative; w. weak; m. moderate; s. strong; and The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show results of all the meteorological observations are to be understood as applying to the The reading of the barometer increased from 30 42 in. at the beginning of the week to 30 52 in. 7.5 of the dry bulb thermometer is combined the corrected mean of the readings of the maximum The mean daily dew point temperature and degree of humidity are deduced In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and by noon on the 23rd of February; decreased to 30:09 in, by 3h. P.M. on the 26th; increased receiving Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. Sum 0.22 of the air from a discussion of the anemometric records for the 16 years ending 1875. the height of the cistern of the barometer is 159 feet above the mean fevel of of 16 Years. Average Miles. Sum -116 -12061 + Robinson's. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Horizontal Movement tu Day. 681 Sum 2107 24 Wind as deduced from Anemometers. correction has been applied to the readings to reduce to sea level Mean of 24 hourly 0.0 9.0 0.0 Pressure on the Square Foot. lbs. least. 0.0 0.0 0.0 0.0 Great-0.9 1.8 2.8 1.8 1.0 est. Oslar's. c vil day, or from midnight to midnight, NNE. & NE. SSW. RENE. NE. & ENE. N. & NW. P.M. General Direction. ż 23 - "lower," than the average. NNE. R NE. NE. & NNE. NE. NNE. WSW. ESW NAE. R. N. A.M. metrical Tables. Of the Water of the Thames at Deptford. 0.68 37.5 39.4 1.88 39.5 38.88 39.3 \$30.4 Lowest. 18 0 (column 8). TEMPERATURE. High-1.07 1.0% 89.1 est. 17 on the Grass. 2.95 23.8 80.8 8.58 25.1 23.0 0.97 Of Radiation. Fine, bright, and clear in early morning; evercast during the remainder of the day, and snew fell and bright till 11h. A.M.; 5h. P.M.; gusty afterwards; generally High-est in Sun's Rays. 74.0 2.74 0.88 8.8 73.5 0.22 92.7 0 Slight rain in afternoon. equals 100). little 14 00 96 83 84 120 GENERAL REMARKS. Fine in morning; cloudy with a night; cloudless after 10h. r.M. Difference between the Air Temperature and Dew Point Temperature. snow showers. 2.0 Least. 0.0 0.0 0.0 0.1 fine Great-6.5 8.6 12.0 2.8 est. Cloudy till 7h. A.M.; fine Cloudy in morning; Mean daily value 2.8 Variable; occasional 3.9 9.2 1.1 9.8 Shower 0 Cloudy generally. overcust afterwards wind in evening. Of the Dew Point. Mean daily value. 9.98 34.2 0.63 30.3 8.18 34.2 25.8 De-parture from 9.7 4.1 ŧ TEMPERATURE. Registered Sun above Sunshine, Horizon, in hours. In hours. 38.6 84.8 32.8 31.4 35.4 0 90 2.01 8.01 9.01 2.01 2.01 Of the Air. Daily Range. 12.6 9.11 6.9 15.0 2.41 1 2.2 2.0 4.2 1.3 0.0 9.88 98.0 30.4 9.93 25.8 \$.09 LOWest. 9 8.8 45.0 42.8 42.8 37.3 est. v. P. generally; s. V. between 5h. and 6h. P. in morning; P.M. ; (For explanation of gymnols, see Note.) Mean daily reading v. P. throughout v. P. throughout 'in. 30.236 30.180 generally 30.198 of the Dec. N. N. N. FEBRUARY. 24 28 28 28 MONTH AND 890 No. of Col. MARCH. THURS. . SATURDAY MEANS WED. TUES. MONDAY SUNDAY FRIDAY

OFFICIAL COPY.

WEEKLY RETURN

LONDON IN AND DEATHS BIRTHS

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, MARCH 8. No. 10. 1890. Vol. LI.]

Price 13d.

General Register Office, Somerset House, 10th March, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 26.6 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending		17 - 18 - 18 - 18 - 18 - 18 - 18 - 18 -			Weeks	ending	
Towns.	Feb. 15.	Feb. 22.	Mar.	Mar. 8.	Towns.	11.	Feb. 15.	Feb. 22.	Mar.	Mar. 8.
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Derby - Halifax - Huddersfield Hull - Leeds - Leicester -	33·8 22·3 22·8 37·5 24·5 21·7	27·0 30·4 30·6 30·6 14·8 25·6 18·7 18·6 29·2 24·9 23·9 29·4	23·1 36·3 43·7 34·9 18·1 27·2 16·5 24·8 29·9 26·6 21·5 36·5	27.8 38.8 40.1 32.7	Portsmouth Preston Salford Sheffield Sunderland		21·3 38·6 28·2 24·1 24·1 30·9 34·4 23·0 27·8 26·0 27·3	30·2 21·8 35·3 25·9 26·8 25·1 33·4 23·8 24·1 37·7 28·0 32·0 26·0 33·8	21·3 40·8 28·5 29·0 21·3 30·9 23·8 22·3 43·1 28·8 35·1	22·3 45·6 29·4 25·2 21·9 26·3 31·1 22·6 38·7 33·1 38·7 24·4

The highest annual death-rates, measured by last week's mortality, were :--from whooping-cough, 1.4 in Sheffield, 1.7 in Salford, 2.2 in Bristol and 2.7 in Bolton; from measles, 1.0 in Liverpool, 1.1 in Manchester, and 1.6 in Norwich; and from scarlet fever, 1·1 in Sunderland and 1·4 in Sheffield. In none of the twenty-eight towns did the death-rate from "fever" reach 1·0 per 1000. The 33 deaths from diphtheria in these towns included 19 in London, 2 in Liverpool, 2 in Bolton, 2 in Sheffield, and 2 in Newcastle-upon-Tyne. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2536 BIRTHS and 1889 DEATHS were registered. Allowing for increase of population, the births were 419 below, while the deaths exceeded by 8, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21.3, 21.8, and 21.3 in the three preceding weeks, rose again last week to 22.3. During the first ten weeks of the current quarter the death-rate averaged 24.8 per 1000, and was 2.0 per 1000 above the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

^{61202.-10. 610.-3/90.} Wt.

The 1889 deaths included 35 from measles, 12 from scarlet fever, 19 from diphtheria, 95 from whooping-cough, 4 from enteric fever, 1 from an ill-defined form of continued fever, 9 from diarrhæa and dysentery, and not one from small-pox, typhus, or cholera; thus, 175 deaths were referred to these diseases,

being 39 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 13; 4 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The death of an infant, aged seven months, in Fulham, was attributed to "chicken-pox, diarrhea." The deaths from measles, which had been 14 and 19 in the two preceding weeks, further rose last week to 35, being, however, 10 below the corrected average; 3 belonged to Paddington, 3 to Pancras, 8 to Islington, 4 to St. Luke, and 5 to St. Saviour sanitary areas. The fatal cases of scarlet fever, which had been 14, 13, and 14 in the three preceding weeks, declined last week to 12, and were but half the corrected average; 2 belonged to Kensington, 2 to Poplar, and 2 to Lambeth sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1187 scarlet fever patients at the end of the week, against numbers declining from 1609 to 1222 in the nine preceding weeks; 53 cases were admitted to these hospitals during the week, against 63, 89, and 88 in the three preceding weeks. The deaths from diphtheria, which had been 39, 27, and 24 in the three previous weeks, further declined last week to 19, but still exceeded the corrected average by 4; 3 (including 2 in one house in Seymour Street) belonged to Pancras and 2 to Islington sanitary areas. The deaths from whooping-cough, which had declined from 115 to 97 in the three preceding weeks, were 95 last week, and were 9 above the corrected average; 7 belonged to Pancras, 5 to Shoreditch, 5 to Rotherhithe, 6 to Battersea, and 12 to Camberwell sanitary areas. The deaths attributed to diarrhea and dysentery, which had been 21 and 12 in the two previous weeks, further declined last week to 9, and were 5 below the corrected average.

The deaths referred to enteric fever, which had declined from 12 to 7 in the three preceding weeks, further fell last week to 4, being 10 below the corrected average; 2 belonged to Poplar sanitary area. The Metropolitan Asylum Hospitals contained 54 cases of enteric fever and not one of typhus on Saturday last; 8 cases of enteric fever were admitted during the week, against 2, 6, and 9 in the three

preceding weeks.

The deaths primarily attributed to *influenza*, which had declined from 127 to 23 in the seven preceding weeks, numbered 24 last week; of which 8 occurred in the West, 5 in the North, and 5 in the South groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had increased from 439 to 492 in the three previous weeks, further rose to 510, and exceeded

the corrected average by 7.

Different forms of violence caused 65 deaths, concerning all but 2 of which inquests were held. Of these 65 deaths, 2 were cases of suicide, and 3 of murder or manslaughter, while the remaining 60 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 9 by burns or scalds, 2 by poison, 1 by drowning, and 23 (including 20 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3348 births and 2357 deaths were registered, corresponding to annual rates of 30·3 and 21·3 per 1000 of the estimated population. In the Outer Ring 21 deaths from whooping-cough, 8 from measles, and 7 from diphtheria were registered. The fatal cases of whooping-cough included 4 in Croydon, 4 in West Ham, and 3 in Willesden sub-districts. Four deaths from measles were returned in Tottenham sub-district, and 2 from diphtheria in that of West Ham.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during February will be found on pages 97-98.

METEROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.81 ins.; the highest reading was 30.32 ins. on Monday at noon, and the lowest 29.22 ins. at the end of the week. The mean temperature of the air was 36.4, and 4.2 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on the first four days of the week, the deficiency on Tuesday being as much as 15°·6, while it exceeded the average on the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 17.9 miles per hour, which was 3.9 miles above the average in the corresponding weeks of 16 years. Rain and snow fell on five days of the week to the aggregate amount of 0:33 of an inch. The duration of registered bright sunshine in the week was 12.1 hours, against 24.0 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of February 1890; according to their returns 159,851,698 gallons or 726,279 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 211 gallons (95°9 decalitres), being rather less than a ton by weight, to each house, and, assuming 7°8 persons to each house, 27°0 gallons (12°3 decalitres) to each person, against 26°8 gallons during February 1889.

Constitution		Number of suppli	Houses, &c.	Average daily S in Gal	
Companies.		FEBRUARY. 1889.	FEBRUARY. 1890.	FEBRUARY. 1889.	FEBRUARY. 1890.
TOTAL SUPPLY .	• .	747,598	759,259	156,558,624	159,851,698
From Thames	5	360,153 387,445	366,070 393,189	77,231,638 79,326,986	79,095,922 80,755,776
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth		34,823 71,095 110,572 55,161 88,502	35,267 72,573 111,865 55,949 90,416	8,986,578 14,064,878 21,822,456 16,030,626 16,327,000	9,244,460 14,983,912 21,750,954 16,457,596 16,659,000
LEA AND OTHER SOURCE New River East London Kent	9	151,949 163,796 71,700	153,199 166,519 73,471	28,514,000 39,753,196 11,059,790	30,070,000 39,332,924 11,352,852

Note.—The Return for February 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,661 houses, and of 3,293,074 gallons of water supplied daily.

Analysis of Metropolitan Water Supply during February.

Water-analysis Laboratory, The Yews, Reigate, 28th February, 1890.

SIE. I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the

month of February. I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0.4, Colne Valley 1.9, Tottenham 2.0, New River 2.6, Southwark 3.1, Chelsea and Lambeth 3.5, East London 3.8, Grand Junction 4.1, and West Middlesex 5.0.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, with the exception of that delivered by the West Middlesex and Grand Junction Companies, of much better quality than that supplied in January, when organic impurity was present in abnormal quantity. The water was in every case efficiently filtered.

The water obtained chiefly from the River Lea by the New River and East London Companies, though better on the average than Thames water, exhibited no corresponding improvement in

comparison with the January supply. It was efficiently filtered.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were of their usual high degree of organic purity, the Kent Company's supply being again especially distinguished in this respect. The Tottenham water showed a large increase in nitrates, chlorine, and hardness. These waters do not require filtration; they were all clear and bright. That of the Colne Valley Company was softened before delivery, and was thus rendered suitable for washing.

Seen through a stratum two feet deep, the waters presented the following appearances:-Kent, Colne Valley, and Tottenham, clear and colourless; New River and Southwark, clear and

very pale yellow; the remaining waters clear and pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear and bluish-green in the two-foot tube. The organic matter was very

"much less than in last modth's sample, and its physical characters were superior."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little "suspended matter. The chlorine is unusually high."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PA

THAMES. Chelsea { February 10th, Cab Rank, Horse Guards, }		Itesul	TS OF ANALYSIS EXPRESS	ED IV	TAK	15 P.	EK I	00,00	0.			
Chelsea Cab Rank, Horse Guards, 5.7 32.50 150 048 0 268 316 1.8 21	or			Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
Cab Rank, Portland-road. Solution Cab Rank, Portland-road. Solution Cab Rank, Portland-road. Solution Cab Rank, Bricklayers Solution Cab Rank, Bricklayers Solution Cab Rank, Uxbridge-road. A'8 35'70 '201 '041 O '300 '341 1'7 23'			February 10th, Cab Rank, Horse Guards, Whitehall.		32.20	•159	*048	0	*268	*316	1.8	21.8
Southwark { Cab Rank, Bricklayers		West Middlesex -	{ February 10th, Cab Rank, Portland-road. }	5'7	32.50	*252	•041	0	*286	*327	1.8	21.8
Lea. February 10th, Cab Rank, Tottenham Sourti-road. Fire Brigade Station, Commercial-road, E. Sourti-road. So		Southwark	Cab Rank, Bricklayers	5.7	33.80	•152	.031	0	*269	*300	1.7	23.9
Lea. February 10th, Cab Rank, Tottenham Sourti-road. Fire Brigade Station, Commercial-road, E. Sourti-road. So	r Circle	Grand Junction -	Cab Rank, Uxbridge-road,	4.8	35'70	•201	*041	0	*300	*341	1.7	23.6
New River = -	Inne	Lambeth ·	Cab Rank, St. George's- >	5.6	33.80	•169	*040	0	*319	*359	1.8	23.9
East London - { Fire Brigade Station, South State of the Brigade Station, Commercial road, E. } 50 38.24 186 040 0 293 333 19 26		New River	Cab Rank, Tottenham Court-road.	5.4	32.14	123	*028	0	*297	*325	1.7	23.6
Kent { February 10th, } 11.7 42.62 018 007 0 454 461 2.5 30		East London -	Fire Brigade Station,	5.0	38.24	*186	'040	0	*293	*333	1.9	26'9
Colne Valley February 17th, Bushey. - 21.44 .093 .019 .010 .464 .491 2.2 8. Tottenham February 13th, Tottenham. - 54.00 .097 .019 .025 .846 .886 3.7 30.	le.		{ February 10th, Mill Lane, Deptford. }	11.7	42.62	.018	*007	0	*454	*461	2.2	30.8
Tottenham { February 13th, } - 54.00 .097 .019 .025 .846 .886 3.7 30.	Circ	Colne Valley	{ February 17th, Bushey. }	_	21.44	*093	.019	•010	*464	°491	2.5	8.6
	Outer	Tottenham -		_	54*00	*097	.019	*025	*846	*886	3.4	30.3
Corporation of Birming- { February 3rd, ham* 11, Edmund street, } 12.2 30.76 142 016 001 352 369 1.9 115	Cor	poration of Birming- m*	{ February 3rd, 11, Edmund street, }	12.2	30.76	*142	*016	.001	*352	•369	1.9	115.3
Corporation of Glasgow+- { February 17th, Loch Katrine Water. } 4'3 2'70 '184 '040 0 '003 '043 8'5 1'0	Cor	poration of Glasgow†-	{ February 17th, Loch Katrine Water. }	4.3	2.70	•134	*040	0	•003	*043	8.2	1.03
Column 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11		Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	1.1.

* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to read thus:—the Chelsea Company's water, collected on the 10th February, at the Horse Guards cab-rank, had a temperature of 5°.7 C.; 100,000 lbs. of it contained 32.50 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained 159 lb. of carbon and 048 lb. of nitrogen. The above quantity of water also contained no ammonia, and 268 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 316 lb. The above quantity of water also contained 1.8 lbs. of chlorine; and 21.8 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

* See note on first page of this Return.

1			1						_	-	_	-	_	_	_	-	-	_	_	_	_	_	_	_	_	_	_						
	CITTES	BOIGOUGHS,	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	Derby.	BIRKENHEAD.	LIVERPOOL.	HOLTON.	MANCHESTER.	SALFORD.	ULDHAM.	DLACKBURN.	HUDDERSFIELD.	HALIPAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	DUBLIN.
2411	- Ann	In Centi- metres.	24.	0.41	0.84	17.0	1 1	0.63	0.52	92.0	,	ı	0.03	1	1	0.48	ı	1	E			1	1	0.30	1	1	98.0	8	00.0	1	0.53	1	0.74
RAIMPALL		fn Inches.	23.	0.16	0.33	0.16	1	0.25	0.10	08.0		1	0.01	ı	2 7	61.0	1	ŧ		1		1	1	0.12	ı		0.14	P	00.0	1	0.51	1	0.50
S AIR.	an.	Centigrade.	22.	87.2	2.44	1.72	1 1	3.89	3.00	1.26	1	1	2.12	1	1 2	3.20	1	1	,	ı		1	,	2.67	1	1	2.83	1	4.33	1	4.06	1	5.28
OF THI	Mean.	tisdrends'd	21.	37.0	36.4	35.1	1 1	38.1		34°8	1		85.9	ı		es. 999	1	ı	1	£		1	1	8.98	1	-	27.1	ı	80.8	1	89.8	1	41.5
ATURE		E Lowest	20.	3.1		10.61	, ·,			 90 90			17.2	1		2.22	ı	1	ı	1			,	3 0.97	1		23.0 %		8 0.22	1	₹5.5	1	97.3.
TEMPERATURE OF THE AIR.	•3:	Fahrenheit, Lowest	19.	26.0 1		23.0	t 1			1.09	1		51.3	1		20.09	ı		ı	1	1			20.8			26.0		23.0 55		50.5	1	23.6
-	eaths	I)iseases in Cols. 6-12.	18.	2.0.2		S. 0	3.5		0.00		1.5			0.0		-	ا	9.7	21 1	1.7	0.1	9.0	2.2	0.7 50	2.3	-		00	1.3	6.0	3.7 5		2.5
Annual Report	Veck's Deaths	From All Causes.	17.	36.6			22.52			. ⊕.62							F T.0%			1 8.97				32.7			1 2.7.7		20.4 1	19.5 0	23.1		28.5
	,djB	Uncertified of De	16.	105 2	22	<u> </u>	1 61	1 25	3 3	1	8	1	7	51 6		18 81		reliable	-		2000	3000		32	- 29	10 38	22	1 24	1 29	10		35 29	
	. 19	Desthein Public noitutiten	15.	859 1		- 0	2 4	G	14	2	25.	10		23 2		17					77			77.	27	26 1	11	1	11	-	79.9		62 2
		Inquest Usas	14.	280	120	 	-1 F	°2		₹1	17		00 -	4 :	: :	01 	Ť	50	10 ·	27 0	 31 1			1~	14	00	10	00		4	a	, 0.	00
lude		Violence.	13.	155	65	3 0	1	03		23	10	31	2	ca .	-라	17	27	90	63			4 -	()	4	ಬಾ	9	13	က	27	ಾ	c	· =	, co
The DEATHS registered in the Week include		Diarrhea.	12.	24	6		1	1	1	ı	24	1	c3	ı	1 :	, -	1	1	63	,1	27 7	-1 1	1	1	1	-	г	1	22	1		. 4	. 63
the W		Ferer.	=	25	70	1 -		1		1	~	1	_	1	1 1		_	က	C7	1 :		-	1 1	1	6.3	67	1	31	1	t		_	1 21
ered in	Deaths from	Whooping-	10.	170	95	21	1 1	67	10	21	4	1	so	1		ص 	9	73	00		1	1 1		3		0	00	1	1	1	0	120	00
regist	Deat	Diphtheria.	05	8	13	if y		्राच	15	1	-	1		1		C1	0.01	-	² 1	1	1	1	-			0.1	1	-	67	1	0	1 10)
EATH6		Searlet Fever.	20	3 52	15		1		-	1				-	1	9			C1			- 1	1		9	6	1	00	1	67	-	4 0	1 1
The 1		Small-pox.	6. 7	- 68		1	1 00	-	1	1			1	, ,		- 12	1						2 1			4	-	1	.1	-	0		1 29
	-	*anzawqu nus	5.	1320	7	13	725	13	15. 15.	30	9	56	00		15	. 02	18	83	63	18	28	77.7			. 6		-			-	-	1	
	Deaths of	Age.	4	966 13	4 517	7	O 00	9		90	 ea	7	80	_						-				40	_	_	3 31			-	-		09
36		Tobart starting	_		9 59	6	7 N 0	-	87.		6 4	7	3 1	es .		5 59	6	2 55	4 34	91 #			1-4	90				_	_		100	*****	500
ed durin	k endin	DEATE	63	4955	1889	49	62	47	118	63	246	67	103	43	46	-355	68	332	154	74	ි .	, h	55	151	206	247	93	64	36	43	061	300	191
Registered during	the Week ending	BIRTER, DEATER.	e;	5964	2536	62	109	53	147	55	269	78	143	41	89	389	83	256	155	86	25	7.0	49	130	268	213	151	110	148	100	188	368	22.1
	7	to the middle of the Year 1890.*	1,	6,715,559	4,421,661	123,659	142,952	78,780	232,248	83,400	461,865	154,344	244,909	100,871	105,019	613,463	115,816	279,437	242,509	146,716	123,558	100,103	82,034	240,515	863,799	332,837	213,833	126,506	162.987	107,012	271.185	\$30,208	353,082
-			Cols.	,	٠					NOL	•		•	٠	•		•	- 8	•					•		•	•				•	•	
	CITIES	AND ROBOT OHS.		28 Towns	LONDON .	BRIGHTON	PORTSMOUTH	PLYMOUTH .	BRISTOL .	WOLVEBBAMITON	BIRMINGHAM	LEICESTER .	NOTTINGHAM	DERBY	BIREENHEAD	LIVERPOOL .	LOTTON	MANCHESTER	SALFORD .	OLDHAM .	BLACKBURN .	HILDERRIELD	HALIFAX .	BRADFORD .	LEEDS	SHEFFIELD .	HULL .	SUNDERLAND	NEWCASTLE .	CABDIFF .	EDINBURGH -	GLABGOW .	DUBLIE : .

TABLE 1.-BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 8th March, 1890.

TABLE 2. LONDON .- Births and Deaths Registered in the TENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2848	2831	2740	2480	2754	2737	2697	2728	2583	2698	2954·7	2536
	1492	1450	1359	1304	1411	1367	1389	1369	1375	1361	1513·2	1325
	1356	1381	1381	1176	1343	1370	1308	1359	1208	1337	1441·5	1211
TOTAL Deaths Males Females .	1442	1590	1793	1648	1639	1678	2285	1649	1886	1637	1880·7	1889
	737	796	893	882	832	854	1122	843	928	828	950·3	978
	705	794	900	766	807	824	1163	806	958	809	930·4	911

^{*} The numbers in this column are the average weekly numbers in the tenth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LUNDON.	1161 1115									-			
	Dec. 14.	Dec. 21.	Dec. 28.	Jan. 4.	Jan.	Jan. 18.	Jan. 25.	Feb.	Feb.	Feb. 15.	Feb. 22.	Mar.	Mar. 8.
TOTAL Births	2535	2513	1815	2961	2818	2714	2510	2699	2707	2793	2702	2561	2536
TOTAL Deaths	1768	1816	1690	2371	2747	2720	2227	1849	1749	1809	1847	1802	1889
Ages at 20-40 ,, - Death 20-80 ,, - 80 years - 20-40 ,, - 40-60 ,, - 80 years & u ₁ wards	719 227 312 418 92	723 216 348 424 105	651 220 332 396 91	834 346 541 552 98	939 367 670 640 131	909 450 666 576 119	775 849 510 503 90	703 282 369 390 105	714 238 334 363 100	763 218 357 390 81	753 256 363 374 101	739 234 324 418 87	798 226 348 428 89
Yunder 1 year - 1-5 - 5-20	375 247 97	364 261 98	326 232 93	398 310 126	430 375 134	415 344 150	386 294 95	350 250 103	372 254 88	352 306 105	393 259 101	367 263 109	394 294 110
Deaths from Small-pox " Measles - " Scarlet fever - " Diphtheria - " Whooping-cough " Typhus - " Enteric fever - " SimpleConta fever " Diarrhæa and Dysentery - " Cholera - " , all the abovementioned Diseases	30 12 35 49 - 15 - 14 -	35 22 27 60 1 12 - 13 -	29 14 26 67 2 13 - 19 -	96 15 32 98 - 12 - 10 -	24 13 26 112 - 11 1 12 -	24 22 22 104 - 14 1 6	21 10 22 82 1 10 - 14 -	11 14 24 67 - 9 - 134	8 19 24 91 2 7 4 -	21 14 89 115 - 12 1 6	1 14 13 27 103 - 8 1 21 -	19 14 24 97 7 1 12 -	35 12 19 95 - 4 1 9
, Dis. of Respira- tory System , Phthisis - , Dis. of Circula- tory System	552 182 163	518 161 189	467 180 158	843 247 222	1069 267 275	1010 312 209	736 239 193	550 220 116	485 209 154	439 215 143	452 218 162	492 224 146	510 206 163
Violent Deaths Inquest Cases Deaths in Public Institutions	55 124 422	69 156 419	121 400	91 195 494	55 192 534	65 171 626	60 142 491	62 127 471	58 125 401	56 137 436	77 143 434	52 134 425	65 120 406
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	38·1 42·5 31·9	43.5 47.3 38.1	39·8 44·0 35·2	32·8 36·7 28·5	47·6 52·4 43·0	45·5 50·6 39·4	42·7 48·4 36·9	42·9 48·3 38·2	37·1 42·7 32·0	35·9 41·7 30·8	39·4 43·9 35·9	35·4 42·0 30·4	36·4 43·6 29·0
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	92 0·23 4·4	94 0·33 2·1	90 0·61 3·2	97 0·11 5·0	89 0·40 10·1	86 0·13 7·3	84 0·77 14·9	90 0·73 8·9	89 0.05 9.5	87 0·88 31·2	89 0·04 12·4	87 0·22 9·7	69 0·33 12·1

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations. (value is at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield. Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverbaumpton Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and R. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health Sunderlaud; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Tenth Week of the Year 1890.

Vascinated		the		In	the	Wee	k en	ding		-	the Teat 1000.	the		Satur	n the	We Sth	er er Mar	ding	390.	
Second part 199		82			aths	of P	erso					a for	-		aths	of P	erso			
## CAUSES - 1880 7 1880 304 99-110 200 348 428 80 CAUSES - 1880 7 1880 304 99-110 200 348 428 80 Convenience of the conven		rages f the 89.		1 ,		-		30.	90.	٦	CATIONS OF DEATH	erage of the 0-89.*		τ			1	60.	80.	PI
## CAUSES - 1880 7 1890 304 504 110 205 348 428 50 CAUSES - 1880 7 1890 304 504 110 205 348 428 50 Causacinated 11-8	ES OF DEATH.	d Ave	E8.					nder	nder	rs an	CAUSES OF DELTH.	ed Av eeks 188	GES.				nader	under	under	rida.
Vascinated 198		Correcte 10th W		0-1.	15.		and	and	and	so Yea upwa		Correct 10th, W		0-1.	1-5.	5-20.	and	sad	and	80 Yea
Diseases of Circulatory 130 163 2 3 10 16 45 77 10 10 10 10 10 10 10	GAUSES		1889	394	294	110	226	348	428	89	Diseases of Organs of Special Sense †}	1.9	6		3	2	-	-		1
## Force - 47:3 35 5 37 2 1 - -	1- Unvaccinated	}12·8	-		-	-	- -	-	-	1 1 1	Diseases of Circulatory } System }	139.8	163	2	3	10	16	45	77	10
Production 10		45.8		ŧ		2	1.	-	-	-	Croup		11		7	2	-	-	-	ı
Bing Fever - 0.0			12	1	6	4	1	-	_	_	Bronchitts	120 4	119	17	40	3	20	21	17	24
Discussion Section S				-	_			_		-	Pleurisy			3		2				Ę
Deletion of Liver of the Constituent of the Constit		0.1	_				4	7	8	-	ratery System}				-		-			
Secret 1			_	37			7		-	-	Dentition †	18.3		7		-		-	- 1	-
Select Server 14 2 4 - 2 1 1 - 3 1 1 2 2 1 3 3 5 4 4 5 5 5 5 5 5 5					.0							7.5		4	-	-		-	2	-
14 9 5 1 - - 3 3 5 4 20 4 1 3 3 5 4 3 3 5 4 4 5 5 5 5 5 5 5	lefined Fever -)					9		,			Diseases of Liver				-	1	8			-
Diseases of Lymphatic 1.7 2 1 1 1 2 3 1 4 1 2 3 1 4 3 4 4 4 4 4 4 4 4			-	H	-	_		-		_	Other Diseases of Digestive System -	29.4	20	4	1	3	3	5	4	
Diseases of Uninary April 1			9	5	1	`-	-	-	-	3				-						-
res = - 0.0					-	-	-			-	System & of Duchess >	1.7	2	-	1	-	. 1	-	-	-
X and Effects of 13					_		_			_	Glands †)									_
sal Affections 13·0 14 10 1 - 1 2 1 1 8 2 - - - 2 3 1 1 1 8 2 - - - 2 3 1 2 1 2 2 2 3 6 8 6 - 1 5 - - 2 2 3 3 - - 2 1 2 3 3 - - 6 1 - 5 2 1 2 3 3 - - 6 3 3 - - 2 1 3 3 - - 6 3 3 - - 2 1 3 3 - - 6 3 3 3 - - 6 3 3 3 - - 6 3 3 3 - - 6 3 3 3 - - 6 3 3 3 - - 6 3 3 3 - - - 6 3 3 3 - - - 6 3 3 3 - - - 6 3 3 3 - - - 6 3 3 3 - - - 6 3 3 3 - - - 6 3 3 3 - - - 6 3 3 3 3 - - - 2 3 3 3 - - - 2 3 3 3 - - - 2 3 3 3 - - - 2 3 3 3 - - - 2 3 3 3 3 3 3 3 3 3		0.3				_	-		_		Diseases of Urinary	48.8	49	1		2	9	19	16	2
Section Sect		13.0	14	10	1	-	-	1	2	_	System 5				_			_		_
		4.1	8		-	-	-	2		1	Disasses of Generative							0	,	
Diseases of Locomotive System t			_		-	H			2	-,	System	1			_	-	6		-	-
1			_	 3				H	-	_	Acodents of Childoren-			-		-			-	-
Sand other Para	Zymotic Diseases 1				_					-	Diseases of Locomotive	6.4	5		-	2	-	. 1	2	-
Stime Stim	b	1.3	1	1	-	-	-	-	-	-	System ()							_	-	-
Dism 6.0 6 2 3 1 - (Actident.) matice Fever. The state of Heart Theorem 1 and 1 and 2 and 2 and 3	s and other Para-}	0.0	-	-	-	-	-	-	-		Diseases of Integumen- tary System }	7.2	9	1	8	, 1	1	-	3	
Dism 6.0 6 2 3 1 - (Actident.) matice Fever. The state of Heart Theorem 1 and 1 and 2 and 2 and 3	tion, Want of	1.6	١,	1												-				
Catic Fever, antice Fever, a							0	0		-	VIOLENT DEATHS.§									
matism of Hearty 7	DIISIN		-	-	-		_	-	_	-	(Accident.)									
Cut, Stab	natic Fever.	7.2	7	-	-	2	4		1	_		0.1	22	1 -	2	3 -	1	6	7	2
Poison - 1.0 Pois		3.2	4	-	-	_		2		_	Cut, Stab	8'0	9	i		ī	-	2	-	ī
Section Sect	- 1			-		-	-	-	1	1	Poison	5.7	1	-	-	-		-	-	-
Mesenteries — 24'0 15 6 7 1 1 - - - cular Meningitis — 31'4 26 7 12 7 - - - dis — 18t'9 206 3 5 21 94 71 12 - dis, Tuberculosis — 18'9 18 4 8 4 - 1 1 downward of the constitutional lasses † — - taure Birth — 39'3 46 46 - - - - dasses † — 3'0 1 1 - - - dasses † — 3'0 1 1 - - - dasses † — 3'0 1 1 - - - dasses † — - dass	8†	1		4	3		-	}		-	Suffocation	15'4	23		2	1	=	-	-	ī
cular Meningitis 31 4 26 7 12 7 -	Mesenterisa			6	7								-	-		-	-	-		-
la, Tuberculosis - 18'9 18		81.4	26			7		-	-	1 1										
Constitutional 11'8 11 1 4 6 - (SUICIDE.) ases †				ļ.			94			-	Murder & Manslaughter	1.9	3	1	-	1	-	-	1	-
Sees				4	8	4	-	1		-	(0									
sture Birth - 39.3		11.8	11	1	-		_	4	6		Gunshot Wound	0.8	-	-	-	-	-	-	-	-
tasis † 3:0 1 1	ature Birth	39'3	46	46	-	-	_	-	-	-	Cut, Stab	1.3			-		-	-	-	-
nital Malforma-} 7.2 6 5 - 1 Otherwise 0.2 Otherwise 0.2						Ì	-	-	-	-	Drowning Hanging	0.9	ī	-			-	-		-
ge 67'1 47 1 21 25 (EXECUTION.) exy 54'4 58 - 1 1 4 17 27 8 Hanging 0'0		7.2	6	5	-	1		-		-	Otherwise	0.5		-	_	-	-	-		-
exy 54.4 58 - 1 1 4 17 27 8 Hanging 0.0		67:1	47	-	-	-	-	1	21	25										
sy 8.9 5 1 3 - 1 - OTHER CAUSES † 69.9 62 50 7 1 3		F414	10		-	_	-	1.0	077	0		0.0					_		_	
lsions 56.9 57 52 4 1 OTHER CAUSES † 69.9 62 50 7 1 3								17			manging -	,,,,		_	_	_	_		_	
							-	-	3		Omnan Charles t	6010	00	=0	-			1	3	1
Nervous System 103.8 112 7 18 7 11 22 40 7	Diseases of Brain }		112	7	18	7	11	22	40	7	OTHER CAUSES 7	69.0	62	30] -		1	3	1

he numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9°048 per cent, for increase of population, as the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

(see cases of small-pox only are returned as "vaccinated" or as "uaraccinated." which are so certified by registored medical greates one certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered inner, the case is returned under the heading "no exact as to, near vaccinated, or when the cause of death is not certified by a registered inner, the case is returned under the heading "no exact as to."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, aughler, or suicide. All such cases are classed under "secident or negligence."

TABLE 2. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SOA during the Week et

LONDON S.515.709 25.50 1880 293 1.77 - 33 12 10 50 - 4 1 9 55 120 4 4 1 1 - 2 6 6 120 4 4 1 - 2 6 6 120 4 4 1 - 2 6 6 120 4 4 1 - 2 6 6 120 4 4 1 - 2 6 6 120 4 4 1 - 2 6 6 120 4 4 1 - 2 6 6 120 4 4 1 - 2 6 6 120 4 4 1 - 2 6 6 120 4 4 1 - 2 6 6 120 4 4 1 - 2 6 120 4 1 - 2 6 1 1 1 1 1 1 1 1 1					and the same									duri	ing t	he V	V eel	c e
REGISTRATION Sub-DISTRICTS				l			The	e Dra	ATHS:	regist	ered	in the	Wee	kine	lude			
SUB-DISTRICTS. Mailon,		Enume-			Dea	ths of				7	Dest	hs fr	om				1	0
SUB-DISTRICTS. Mailon,	REGISTRATION		° E	ER.	3r 1	d 60 wds			1 2	1	ngn.		JA OF.					ubli
LONDON	SUB-DISTRICTS.		3tBT	DEAT	und f Ag	880 At 12 p	O.K.		Feve	ria.	D-80		(or d) F		88.		Case	in i
LONDON		1881.			ants	Sons	all-p	asles	rlet	hthe	10001	phus	phoi	aple	rrho	lene	uest	sths
WRITE DISTRICTS - 065.873 581 595 59 57 5 2 18 1 2 6 10			T.	T	Inf	Per	200	Me	30	ia	14.	Ty	Ent	Sin	ia	Vig	Inq	De
Wilson Districts -	LONDON	3,815,704	2536	1889	394	517	-	35	12	19	95	_	4	1	9	65	120	40
North Districts	WEST DISTRICTS						-,					-	1					. 6
Part Districts							-					-	7	- 1			3 .	1 8
Composition	EAST DISTRICTS - "											- 1	3	-			j	10
LONDON WEST DISTAIRUTE. A	RIMMUODONAMAN ACTUM FOS-1	1,265,148		i	100		-					-	_	-			-	1,1
81. May Paddington WHH G.J. W.M. 698-88 48 25 4 15 - 2 - 1 2 - 1 2 2 - 1 2 2 - 1 2 - 1 2 2 - 1 2 2 - 1 2 2 - 1 2 2 - 1 2 2 - 1 3 - 2 2 - 1 3 - - - 2 2 1 - - - 2 2 1 - - - 2 2 1 - - - 2 2 1 2 2 1 - - - - 2 1 - - - - 2 1 1 - - - - 2 1 1 2 2 1 1 2 1 1	LONDON								-				-					7 .
S. John National Town W. J. W.M., SC. J. St. Pater Hammersmith — W.M., Sc. J. St. Pater Hammersmith — W.M. St. Pater Hammersmith W. M., P. G. J. St. Pater W. H. H. C. St. Mars. Pater W. H. H. C. St. Pater W. R. R. G. J. St. Mars. Pater Westminster W. H. C. St. Pater W. R. R. G. J. St. Mars. Pater W. H. H. H. C. St. Pater W. R. R. G. J. St. Pater W. R. R. St. J. R. St. Pater W. R. R. St. J. St. Pater W. J. Pater W.	Mt. Mary Paddington WHH G.J. & W.M.				4 2	15		2		/		,-	-		-	1 2		2 8
St. Pater Hammeramith — W.M. 7509	Kensington Town Ww W.M.	120141	59	54	10	18	-	=	=	1 -		-	-	-	-	-	-	20
Cheleas South WHH — C. 20398	Diompons 22	7599	5	1		e 8		-	. =	ī	2	-	4	-		-		1
Cheleae North-west WHHHHHH C. C. 24095 200 15 - 5 1 2 2 for Cheleae North-west WHHHHHH C. C. 32007 19 15 3 5 5 2 1 1 2 for Cheleae North-west Will C. S. 32007 19 15 3 5 5 2	(2) -1 - County 17/17/17 C.	42900	56.	40	_	_	L-I					-	1 1	-	- 1	-	2	12
May Fair WW	Chelsea North-west WHHHHH. C. C. C.	24925	20	15	. 3 .	5 5		-		-	2	-		- 1	7	17	2 -	5
St. Answer we estimate Hull — C. 24479	Relorave WHHH C.	59220	23	26	4	9		-		-	1	-	Ξ					10
North Districts. All Souls Marylebone HHHHH W.M. 20789 14 17 1 2 1 2 10 Carendish Square HHHHH W.M. 2078 14 17 7 3	St. John Westminster HHA - C. St. Margaret Westminster H - C.	24879	7	- 7	2	ī	-	-	-		-1		- 1	140	-	-		2
All Souls Marylebone HHHHH V.M. Rectory Marylebone WH G.J. & W.M. 14891 7 7 3 2 1 2 2 10 Rectory Marylebone WH G.J. & W.M. 14891 7 7 3 2	St. James Westminster WHH N.R. & G.J. St. Anne Soho HHHHHHHH - N.R.				2	1		-		-		Ξ.	-	-1	-	-		3
Rectory Marylebone WH G.J. & W.M. 2118 \$2 9 5 5 1 1	All Sonis Marviebone HHHHH W.M.					2		-	·	-		-		-			2	19
St. John Alkyleionics Martin-in-the-Fields H N.R. & W.M. 4452 32 16 3 3 - 2 - 1 - - 1 1 4 4 2 - 1 - - 2 2 6 6 6 7 1 1 1 4 2 1 - - 1 1 4 2 1 - - 1 1 4 2 1 - - 1 1 4 2 1 - - 1 1 4 2 1 - - 1 1 4 2 1 - - 1 1 4 2 1 - - 1 1 4 2 1 - - 1 1 4 2 1 - - 1 1 4 4 2 1 - - 1 1 4 4 2 1 - - 1 1 4 4 4 4 4 4 4 4	Rectory Marylebone WH G.J. & W.M.	24809	10	7	3	2	-	-	1 1	-	5	-	-			-	-	ī
Bampstead WowellHHH N.R. & W.M. 46452 22 16 3 3 2 2 1 - - - 1 1 1 1 1	Mt. John Marylebone 24	33700	. 26	15		4		1			1 -		,	-	-	ī	3	I
Somer fown WH N.R. 38599 21 12 23 3 8 8 - 1 2 1 2 - 2 4 16	Hamnatesa Wame HHHH N.R. & W.M			_		_						~		-	-1	1	1	4
Somer fown WH N.R. 38599 21 12 23 3 8 8 - 1 2 1 2 - 2 4 16	Tottenham-court wHHUH N.R.&W.M. Gray's Inn Lane HHH - N.R.	27729 80247	12 13	12	4	1	-			1	1		- 1		-			6
Opport Holloway WWwH	Camden Town WH N.R.	17311	11	23	3	8		-		- 1	1	-			-	2	4	15 15
Singhbury H N.R. 61825 41 21 6 7 - 1 1 2 1 1 2 1 1 2 1 1	Unper Holloway WWwH N.R.	67946	59	53	7	19		1	-			-	-	-	-	2	7	17
Stoke Newington H N.R. 22781 9 7 7 4 7 7 7 7 7 7 7		61895	41	21	5	7	-	3	-	- [1	-	-	-			2	1
West Hackney H	Stoke Newington H N.R. Stamford Hill E.L.	9277	4	-		- 1	-	-			-			-	-	= 2	- 1	. 1
CENTRAL DISTRICTS. 81. George Bloomsbury - N.R. 18837 - 7 6 - 2	West Hackney H N.R. Hackney WwwwH - E.L.&N.R.	76911	51	45	4 8	16	-	- 1	1	- 1	-	-	-	20	1	1	3	18
8t. Giles South WH N.R. 14884 7 6 7 2 - - - 1 1 6 1 2 - - - - - - - - - - - - - - - -	CENTRAL DISTRICTS.		. [4					1	1	1
8t. Martin-in-the-Fields HH N R. & C. 17508 5 9 1 6 - - - - 1 </td <td>St. George Bloomsbury - N.R. St. Giles South WH N.R.</td> <td>14864</td> <td>7</td> <td>6</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>1 -</td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>ī</td> <td>5</td>	St. George Bloomsbury - N.R. St. Giles South WH N.R.	14864	7	6	-		-	-		1 -				-	-	-	ī	5
Strand Union Workhouses, Edmonton w. 2 2 7 7 8 1 8 1. doc 1	St Martin-in-the-Fields HH N R. & C	17508 .	5	9			-	-	-	-	-	-	-	-	1	1	1	1
St. dried Eastern # - N.R. 18871 8 15 1 2 - 1	St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.		5	7		1 2		- 1		=		-			-	1	ī	4 2
Salfon Hill H N.R. 6533 2 2 1 1 1 1 1 1 1 1 1	St. Geothe-Martyr HHHHHHH N.R.	10706	9	5 .		.8	-	-		_	-		-	-		ī	ī	7 3
Pentonville	Sattron Hill H NR	17516	7	5	1	2	-	-	-		ī	-	-	-	-	-	-	1,1
Oid-street H N.R., 11541 9 5 - 1 1 7 7 7 1 1 1 3 7 2 7 1 1 1 3 7 2 7 1 1 1 3 7 2 7 1 1 1 1 3 7 2 7 1 1 1 1 3 7 2 7 1 1 1 1 1 3 7 2 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pentonville N.R. Goawell-street N.R.	14773 17508	13	8	2	1	-	-	-		-	-	-	-	-	-		4.4
Willieross-succes N. K. S217 7 4 2 7 7 7 7 7 7 7 7 7	City-road HHL N.R.	11541 18628	9	5 15	1	3	-	2	-	-	1	-	-	-	-	-		3
St. Rotolph H N.R.&E. L. 11174 2 3 3 - 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Finabury N.R.	7468	1		-			-	-	-	-			-		-	-	- 2
85. Sepulchre H N.R. 5355 3 12 - 3 3 2 2 3 10 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	St. Botolph H N.R. &E.L. Cripplegate N.R.	11174 7193	2	3	-	2				-		-	-	-	-	-	-	-
Alliano Dataing - Asia 10000 2 3 1 1	St. Sepulchre H N.R. St. Bride W N.R.	5358 8396	3 4	2	-	1		-	-	8 -		-		-	-	2 1	2	10
	Broad Street H N.R.	5652		1	1 -	-	-	-	-	-	-		2	-	-			1.3

NOTE—The Italie letters pisced against the names of the suo-districts denote Publis Institutions situated therein, namely: W—V house; H—Hospital; L—Lunatic Asylum; L=Hospital; L=Lunatic Asylum; n which paupers are received; w—Workhouse Establist receiving immates from other Districts than that in which it stands, (see note at the loot of next page). The Roman capitals signify the V Companies which supply the different auto-districts:—G. J. signify for Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Nouth and Vanxhall; L. Lambeth; N. E. New River; E. L., East London; and K., the Kent Company.

EVER, DIPPTHERIA, WHOOPING-COUGH, FRYER, DIARRICEA, VIOLENCE, &c., registered in each Sub-district

aturday, 8th March, 1890.																		
							The	DEA	THS I	egist	ered i	n the	Wee	k inc	ude			
	Enume-			Deat	hs of			-	. 1	Doath	s from	n					9	
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes of Death.
EAST DISTRICTS. Holywell Shoreditch — N.R. & E.L. St. Leonard Shoreditch HL* — N.R. Hoxton New Town & — — N.R. Hoxton Old Town — — N.R. Haggerston WH — N.R. & E.L.	7376 14967 29987 28036 46275	6 9 31 15 29	. 3 6 20 16 21	1 2 8 3	1 10 2 1	iliin	1	1111	1111	1 1 1 2	1717	1111	11111	1	3	1 3 3	1 9 4	11111
Bethnal Green North H - $-$ E.L. Bethnal Green South - $-$ E.L. Bethnal Green East WHL^* - E.L.	51157 34399 4140 <i>5</i>	39 23 22	15 9 31	2 1 2	2 2 8		1.14			1 -	- -		- :		1 -	1 1	3	111
Spitalfields -	22585 15478 17490 9713 6102	12 19 15 2 4	9 16 16 1	2 1 5 -	898-1	i ji i i i	1111	1111	11111	1		1111	11,111	1111	1 2 - 1	2 3 1	14 12	1111
St. George's North - E.L. St. John, St. George East W - E.L.	88747 8410	34 5 4	18	6 -	5	-	-	- 1	-	3 -	-	-	-	-	1 -	2 - 1	8	1 -
Shadwel! H E.L.& N.R. Ratcliff E.L. Limehouse E.L.	10895 16107 82041	12 20	6 7 14	1 5 5	1	, -	-		-	1	-	1 - -	-		1	1	4,	- 1 - 1
Mile End Old Town West $H - E.L.$ Mile End Old Town East $WwwH - E.L.$	87960 67653 37074	28 40 28	13 31 17	9	10 3	-	-	1		1 2 2	-	ī	-	1 1 1	1	2 1 3	6	1
Bromley wowH E.L. Poplar WWH E.I.	64859 55077	45	51 36	9 11	13 11	-	-	î	ī	3	- - -	- 1	-	1	3	1	21	
South Districts. Christchurch Southwark WH L. & S. St. Saviour Southwark - S. St. Saviour Southwark - S. St. L. Borough-road WH - S. & L. London-road WH - L. & S. Frimity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13663 14999 21381 15958 21318 26672 59555 21623	12 15 16 13 12 19 42 27	17 6 6 10 12 11 23 11	223333535	32132233	11111111	5	1111111	ileritti.	1 - 1 1 2 1	11111111	1111111	i i i i i i i i	11	1	1 - 1 - 1 - 1 - 1	2 1 2 1	1 1 2
St. Olave WH S. & L. Leather Market - S. & L. St. Mary Magdalen W - S. St. James Bermondeey - S. Rotherhithe WH S. & K.	11956 -16800 15669 54682 86024	10 12 14 28 25	21 9 9 17 19	1 3 3 5	6 - 2 5 3	1111	1	1.1.1.1.1	1111	2 - 1 5	11111	11111	11111	1	1	- 1 1	12.	1
Waterloo-road lst H -	15195 16351 19876 39859 45282 35382 62837 19017	13 15 15 27 39 27 39 27	8 5 25 26 19 14 31 10	1 2 5 3 3 8 6 2	1 8 6 5 12 5	111111111	1111111	1	1111111	1 1 1 1	11111111	1141111	1111111		3	3 1	17.11.	
East Battersea	54675 52587 36380 28004 18235 25553	50 48 23 21 5 21	25 58 12 14 5 11	10 -7 1 3 2 2	8 12 4 4 7 3	111111	2 1	1.	- - 1	2 4 1 1				11111	1 2 -	2 4	10	1
Dulwich Camberwell WwL*L* Peckham W S. L., & K. S. L., & K.	5590 59104 71089 50810	2 36 51 49	1 45 41 21	12 10 2	1 15 14 4	1.1.1.1	-		- - 1	7 5	-		- ~	- 171	1	2 2	19 8	2 -
t. Paul Deptford sow - K. St. Nicholas Deptford - K. Greenwich West H - K. Greenwich Last WHH - K.	76752 7901 21972 24608	50 8 11 22	35 4 10 18	8 2 1 3	6 3	1111		2 -	1	- 2			14 1		2 - 1	3 -	2 - 10	1 3 2 -
Eltham H K , Lee H K , Lewisham WH K , Sydenham H K	5048 21559 19865 26076	2 7 15 16	10 15 14	1 1 9	5 5 1	1 1 1 1	1 1		- 1	1 -					- 2	2	3 1	
Chariton HH K. Woolwich Dockyard K, Woolwich Arsenai HH K. Plumstead, West H K. Plumstead, East W K.	10930 17617 19048 14009 19241	6 12 14 11 33	10 13 7 14	1 5 3 1 7	- 2 6 2 3		11111		1 1 9 1 1	1 1 2		11.1.		1 2 2 1	11111	11111	3	3
Metropolitan Asylum Hospitals; Dartford w Winchmore Hill w	3	-	+	-	-	-	-	-	-	-		-	-	-	-	-	-	

The following WORKHOUSE Establishments are indicated, in the above Table by w (see note at foot of preceding page):

Marylebone Infirmary in Kensington Town sub-district.
Ceutral London Sick Asylun. in Tottenham Court sub-district.
Holborn Infirmary in Upper Hollowsy sub-district.
Holborn Infirmary Haekney sub-district.
Holborn Workhouse Haekney sub-district.
Holborn Whitechapel Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district.

And Bromley sub-district.

ble by w (see note at 1000 of preceding page). —
Stepney Workhouse in Bromley such astrict.
Poplar a Stepney Sick Asylum
Westminster Union Industrial School in West Battersea sub-district.
St. Saviour's Infirmary in Camberwell sub-district.
Metropoitan Asylum District Hospitals in Fulnam, Hampstead, Hackney, Brixton, and St. Paul. Deptord sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.
Strand and Helborn Workhouses outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during the

				W et	ek end	ung 8	aturd	lay, 8	th M	arch,	1890					• /		CHO.
Regis-		Area						1	The D	BATHS	registe	ered in	the V	Veek i	nelude			
tration District		Acres,	Enume-		2	Deat	hs of		,		Death	s from						102
and	REGISTRATION	ding	Popu-	rH8.	DEATHS	6. 1	1 60 7 ds.		1			ugh.					Public one.	Causes
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS,	DEA	under of Age.	aged & upw	OX.		Scarlet Fever.	ria.	Whooping-cough		e e		Савев	Desths in Pul	fled C
Num-	1111111	Fore-	1881.	انا		Infants Year	Persons Years	Small-pox.	Measles.	rlet]	Diphtheria.	oopii	er.	Diarrhoa	Violence	Inquest	the i	Uncertified of Death.
bers.		shore.			-	Infi	Per	Sm	Me	Sca	dia	Wh	Fever.	Dia	Vio	Ing	Des	Un
LON	DON-OUTER RING	370,924	950,957	812	468	105	141		8	_	7	21	-	1	13	19	57	15
30:1	Carshalton wL -	12228	21118	7	. 7	1	3				. ,							
2	Epsom (part of)* WwH	9971	10710	4	1	1	, -	-	1-				-	-	-	- 1	2	
37:1	Godstone (part of) * -	2754	1235		. 1.	ra 17 (0.00)	. 1		ŀ		. =	. - , .		`. -	-		1	-
38:1	Croydon WWHAL - Mitcham w †	20851 11697	101241 17932	77 6	41	13	. 9	-	1	-		.5	. ".	1 [1 2	2 2	. 8	1.
89:1	Wimbledon HHH -	3220	15950	12	2	1	2	- 1	-		_	_	-		Ĩ.,	_		I.
2	Kingston WHH	8549	36354	25	12	4	4		-			-	-	7-	-	-	1	-
3 4	Esher (part of) * - Hampton H	6601 4573	9221 13539	8 13	2 2	-	1	-	_		- 1	: _	-	-	+	-	1	
40:1	Richmond WH	2272	21302	11	8	1	8	-	-	-	-	1		-	-	-	3	-
47. 2	Mortlake	2941	12331	11	9	1	3	-		-	1	. 1			3	3	~	1
41:1	Bromley (pt. of) * HH Chishrst(pt.of)* WHH	15669 14307	81142 15844	18	16 7	6	2	-	1	-	-	1	-		-	-	. 1	1
42:1	Bexiey H	18437	24184	15	14	2	6	-		-	-	2	un .	-	-	-	-	2
124: 1	Dartford (Ww, pts. of)**	11055	11685		-	**	4						_	_	1	1	1	
2	Sunbury es Staines W	13277	12089	5 11	10	1	. 3	-	-	-	-	1	-	-	_	-	3	- 1
125:1	Hillingdon WHH -	6029	10802	10	10	3	. 2	-		-	-			-	-		-1	-
3	Uxbridge Hayes wHL	6178 14587	3225 11523	3 5	3	1 -	_	_		-	_			-	1	1	1	1
126: 1	Isleworth WHH -	7008	22727	16	8	2	3	-		-		-	-		_	1	-	-
2 8	Twickenham H Brentford HL	2477 4345	12479 27649	6,	3	1 2	1								-	-1	-	-
4	Chiswick	1840	15975	23 9	7 18	3	3		-	-	1	-	-		-	-	-	-
5	Acton wH	6088	22876	16	10	2	5	-		-		-			-		1 144	-
127:1	Harrow H	13809 6994	12796 3749	3	3	-	2 2	-	_			-	-	7 -	٠ <u>.</u> ٢	1	1	
3	Willesden	4383 8382	27453 10484	30	16	9	3	<u>-</u> .		-	1	3	-	-	2	2		-
137:1	Hendon W Bushey	9881	6621	14 6	8	1	6							,		12.	6	
; 2	Watford (W, pt. of)* -	+		~	-		Н		-	-	-	-		-	~ .	-	4:	-
128:1	South Mimms	158 99 54 38	6391 10092	4	3			-		-	-	-	~	-	`-	-	-	
3	Barnet Finchley HL	4638	17615	2 13	23	1	10				-	-	-	-	_	-	11	-
135 : 1	Hatfield (part of) * -	3306	583	-	-		-	-	-	-	-				-		_	-
129:1	Hornsey $H-$ Tottenham H	3039 4642	37078 46456	27	11	2 7	3			-1	1	-	-	-	120	1	-	
3	Edmonton Ww -	7483	23463	76 19	32 13	2	7	-	4	_		2 -		1		1	4	
. 5	Enfield WH Waltham Abbey	12653 11017	19104 5368	15 6	9	1	1		1	-	1 ,	-	-			-	2	-
6	Cheshunt	8480	7785	13	1	-	-	-	-	-		_		-		-	-	
186:1	Stratford	882 4055	38606	27	16	6	3			-	- 1	2	-	-	1	1	-	1
. 3	West Ham wwwwH East Ham	3296	90347 10706	102 22	58 8	15 - 4	14 2		1 -	_	2	4	-	-	1 -	1 -	-	
4 5	Leyton WwL Walthamstow H -	4872 6520	32430 28869	34 40	24 19	4	11 6	-		-	-	-	7.	-	1	1	7	3
187:1	Chigwell (part of) * H	11761	9889	14	3	1	b 			L	-				-	_	1	
2	Epping (W, pt. of)* -	-	-	-	-	1-	-	-		-	-	-	-		-	-	-	-
189:1	Romford (part of) * W Ilford	6730 8493	3411 7645	9	4 3	1	4 2	-	7	7	-	-	-	-	-	1	2	
3	Barking Town	4127	9203	10	4	8	-	-	-	·	-							3

^{*} The parts of sub-districts included within that portion of the Motropolitan Police District which forms the Outer Ring are as follow:
30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 33: 3, Esher sub-district, except the parish of Esher (pop. 1983); 41: 1, Bromley sub-district, except the parish of Chelsfield (pop. 1913); 13: 1, the parish of Northaw in Hatfield sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 187): 189: 1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 187: 2, Watford, and 187: 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse of London residents in the Metropolitan Asylum Hospital (see Table 5).

**Servalus of deaths of London residents in the Metropolitan residents in Strand Union Workhouse and in Metropolitan Residents in Strand Union Workhouse and Residents and Resid

Metropolitan Asylum Hospital (sec Table 5). § Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

On 1st January the two parishes of East Ham and Little liferd were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of Bast Ham,

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 8th March, 1890.

	Area			L RATE			The Da	ATHS	regi	stere	d in t	he W	eek i	inelud	le	
GREATER	in Acres, including	Estimated Population,		0 living.	DEATHS from	Deat	hs of				Death	s fro	m.			ublie
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhos.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
EATER LONDON	448,334	5,758,500	21.3	1.9	2357	499	658		43	12	26	116	5	10	78	463
INNER LONDON - OUTER RING -	77,410 370,924	4,421,661 1,836,839	22·3 18·3	2.1	1889 468	394 105	51 7 141	-,	35	12	19	95 21	5 -	9	65 13	406

OTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,214,602 Persons.

	POPULATION					ANNUAL	Di	EATHS		PRIN DISEAS	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETU Week end		BIRTHS.	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever,	Diarrhoal Diseases.
LOUTTA	433,219	January	18		254	30.2	9	-	_	-1		60	81+
MBAY	773,196	February	11	276	408	23.3	4	8	5	2	?	112	29†
DRAS	398,777	January	17	·		-	-	-	-	-	-		. 649
RIS	2,260.945	March	1	1238	1214	27.9	4	28	2	45*	10	6	46
USSELS 18 Faubourgs.)	477,288	20	1	258	193	21.3	-	3	-	2	2	1	15
STERDAM -	406,402	90 [1	1	302	174	22.3	-	2		3	3	1	-
TTERDAM -	203,486	99 (1	132	107	27.0	-		-	-	2	1	1
B HAGUN -	156,497	že ,	1	102	70	23.2	-		. +	-	2	,	
PENHAGEN -	307,000	,,	1	202	145	24.6	-	/	2	11	4	-	5
OCKHOLM -	228,218	February	22	143	. 95	21.6		_	è	7*	~	. 000	5
RISTIANIA -	138,300	March	1	71	60	22*6	-	2	5	3		-	-1
PETERSBURG	924,106	February	15		476	26.9	-	15	25	. 3	1	5	34
RLIW	1,526,887	9)	15	959	651	22-2	-	2	8	20	17	1	47
MBURG(State)	575,276	23	22	467	292	26.5	-	1	1.	8*	4	4	17
ESDEN	269,250	99	22	172	106	20.2	-	2	4	5*	1	-	4
ESLAU	324,143	March	. 1	215	175	28.7	-	-	1	6*	200 ·	-	5
NICH	298,000	February	22	199	191	33.3	-	6	-	2*	-	-	13
MNA	822,176	33	22	558	412	26.1	3	4	1	3	. 1	3	24
rens	314,425	39	22		189	31.3	-	2	2	6	4	2	4
DA-PESTH -	463,017	29	22	357	311	34.9	-	1	-	8		. 4	23
ESTR	160,092	March	1	96	106	34.4	-	4	-	2*	-		-
M.B	409,692	December	28	264	216	27.5	1		. 1	. 5		6‡	16
RIN (11 days)-	314,827	January	31	276	415	43.7	1	4	-	1	-	3	15
TICE	156,515	February	15	83	. 91 .	30.3	. 7	1	-	-	-	-	6
RO	374,838	n	13	372	339	47.2	-	-	-	1	3	. 16	89
XANDRIA -	231,396	10 10 10	13	222	. 211	47.5	4	1		7*		6	- 38
W YORK -	1,595,547		15	_	742	24.2	_	6	11	30	12	6	10
OKTAM -	852,467	,,	15	415	350	21.4	-	-	9	21	3	4	- 1
LADNLPHIA -	1,064,277	33	15		385 .	18.9	~	1	-	11	2	19	1.1.
TIMORE -	500,343		15	-	181	18.9	- 1	11	1	, 2	1	2	3
W ORLEANS -	254,000	39	8	-	122	25.1	8.2		-	-	-	2	11

^{*} Including deaths from croup.
† Including 34 deaths from cholera in Calcutta, and 2 in Bombay.
‡ Including 3 deaths from malarial fever.

Table 9.—METEOROLOGICAL OBSERVATIONS taken at the ROTAL OBSERVATORY, GREENWICH, during the particle of the Astronomer Royal.]

	-	-	BARO.		5	TAGENTA	ATPITOP		_				-	TEME	TEMPERATURE	TRE.		Wind as deduced from Anemometers.	duced fr	om Aner	nometers			Bain	-
		!	METER.		1	EMLEN	WIOTE.			Differen	Difference between the Air Temperature				-			Ochowa	-	-	-		9	collected	
1890.	щ (Phases	Mean daily reading		0	Of the Air.			Of the Dew Point.	and I.	nd Dew Point Temperature.		Degree of Hu- midity R	Of Radiation.		Of the Water of the Thames at Deptford.		General Direction.		Pressure on the Square Foot.	the	Robinson's.		Gauge whose receiving	Ozone.
Монти ани Dax.			rected and re- duced to 32° Fahren- heit).	High-	Low- 1	Daily Bange.	Mean ladaily A	De- parture from Average of 2+ years.	Mean daily value.	Mean G daily value.	Great. Les	Least, 10		High- est in Sun's Gra Rays, Gra	Lowest High- on the Grass. est.	t, est.	r. A.M.	P.M.	Great.	Least.	Mean Not 24 hourly obs.	Horizontal to of the Air on each Day.	Departure from Average of 16 Years.	surface is 5 inches above the Ground.	
MARCH.	-			0	0	0	0	0	0	. 0	0	- 0		. 0					lbs.	lbis.	lbs.		Miles.	in.	
BUN	2 A ₁	Apogee.	30.022	32.6	p=1	10.2	26.4	-14.0	18.5	8.5	0 8.11	0.0	69 76	61 2.94	19.2 38.1	.1 37.0	O NE. & NNE.	E.NE. & NNE.	3.6	0.0	6.0	529	+198	0.0	3.
Mon	60	:	80.588	33.3	20.1	13.2 2	26.3	-14.5	9.71	13 7 1	12.0	60	53 77	11.11	17.3 38.2	2 37.0	O NNE. & ENE	E. N. & NNE.	1.6	0.0	0.5	818	- 14	0.0	1.2
TUBB	4	:	30.100	0.98	13.1	21.9 2	24.9	-15.6	8.11	13.1	15.4 8	8.1	24 68	8 9.89	8.6 37.4	4 56.2	5 Calm &	SW.	10.	0.0	7.0	249	98	0.03	3.0
WED	13	:	20.115	0.5%	32.4	11.6	38.9	9.1 -	29.6	9.3	14.1	4.4	69 78	78.2 23	9.98 4.86	.6 35.5		N. NW. &	2.0	0.0	6.3	346	+ 10	0.01	0.0
THURS	6]	Full.	29.616	54.1	36.8	17.3	0.95	, ç, +	88.38	1.1	14.2 3	3.0	74 77	12.0 31	31.5 36.4	.4 35.1			60	0.0	0.2	437	+101	00.0	0.0
FRI	10	:	29.570	23.5	39.3	13.9	46.5	9.9 +	6.88	7.3	12.5	2.1	74	74.0 32	32.0 37.	.4 36.2		WSW.	8.5	0.0	67	563	+ 228	00.0	1.5
SAT.	တ	In Equator.	29.314	53.1	39.5	13.6	45.8	+ 5.2	41.5	4.3	10.4 0	0.0	85 75	75.5 33	33.5 39.1	.1 87.9	.9 SW.	SW. & WSW.	9.0	0.0	1.5	556	+223	0.52	90
MEANS	1 .	:	608.62	43.6	0.63	14.6	36.4	- 4.5	27.3	9.1	13.4	9.8	69 75	75.3 24	24.4 37.6	9. 90.2	5 NE.	& SW.	:	:	:	Sum 2999	Sum +660	Sum 0.33	6.1
No. of Col.	1.	00	4	100	9	7	00	6	10	11	12 1	13	14 1	15 1	16 17	7 18	8 19	20	21	22	23	2.4	25	26	72
DATE. MARCH.		ELEC (For exi	ELECTRICITY. (For explanation of symbols, see Note.)		Registered Sun above Sunshine, Horizon, in hours.	Sun Sun Sun in ho	sbove izon, ours.	L.	GE	TERAI	GENERAL REMARKS	ARKS			The l	height ion has	of the cister	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.	meter its to rec	159 fe luce to	et abov	e the mean	l level of	the sea	ou :
SUNDAY	61	W. P. 09	w. P. generally	•	4.4	10.9	1	General day.	Generally cloudy; occasional	dy; occ		snow.	A very	very cold	Obse eye-rea conver of the I	rvation dings ted int ohotogi	of the barome to mean daily raphic records	Observations are usually taken at 9h. A.m.; noon; 8h. P.m.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and discussion when the transfer of the protection and the arms of the correction and the arms of the correction are also are a	M.; no lb ther applica the two	on; sh momet tion of enty ye	er, and correct sars end	the wet by the wet by sions dedu- ing 1873 fo	f. The laborated that the laborated from laborated from laborated references to the laborated references to the laborated labo	neans of nometer a discus rometer,	the are sion
Моирах .	03	E, P. generally	nerally	.*	61 ·	11.0		Variable with snow in Solar halo in afternoon.	le with o	now in	Very cold.	ig; fine	afterwards.		of the and m (colum	dry bui	b thermomet m thermomet The mean da	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of thindity are deduced	the cortemper	rected san da rature	ily val	the corrected mean of the readings of the maximum the mean daily value of temperature of the air temperature and degree of humidity are deduced	ngs of the peracture amidity	of the	air air aced
TUESDAY .	# #	s. P.	s. P. in morning; m, P. alterwards.	ing	22	11	11.	Fine with light clouds generally till evenin vectors attenvales, snow at night. The minim temperature (1921) is the lowest that has be corrected in the month of March since 1845, March	with ligarith afterwal	tht clouded since since on the of	ds gene the low March	erally The Trice to the since 18	till evel he mini at has 45, Mar	evening; minimum has been March 13,	rrom r metric The records	al Tablaverages made	an dally van les. e temperatur at Greenwich n a discussion	Thom the mean tailly values of the dry and were but increments by challers in 1987c. The average temperature of the air is that derived from a discussion of the photographic reports and as theremay which during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the amenometric records for the 18 years ending 1875.	that d	erived snding ecords	from a 1868, an for the	discussion d that of	of the horizont	photograph moves	gro- phic nent
VEDNESD AY	10 (5	v. P. and v. N.	id v. N.		1.7	1.11		Cloudy	general	ally; slig	light rain i	in early cloudy	morning.	g. grds.	In r Los	eading	the columns than the avera ometers in the	In reading the columns 9 and 5.5 it will be borne in mind that + indicates "kigker," and — "lower," than the average. The thermometers in the water of the Thames are suspended at a depth of two feet below the average of the approach of the first of the fitted of the forth of the state of t	Thames	are su	spended	hat + ind lata dept	icates " h of tw	ates "higher," and of two feet below it at Dentford and	andelow
FRIDAY		P. ofter	v. P. siterwards. m. P. generally	0	4.0	#	-	Mid. Fine in early me	n early		ng; clo	cloudy till	ll afternoon	noon;	their Corpor	reading ration record	their readings are registered the Corporation of London The record of Electricity is complete employed are	ad by the Clerk of the Market, under instructions from the sis derived from Thomson's self-registering Electrometer. The positive: N. negative: W. Weak: m. moderate: s. strone - and	from T	the l	darket, n's self r, weak	by the Clerk of the Market, under instructions from derived from Thomson's self-registering Electrometer, sitive: N. negative: W. weak: m. moderate: s. strone	structions Electricates	as from	The The
SATURDAY.	00	W. P. ti	ill aftern	Don;	9.0		11.3	Overcast with rain in morning; vari	st with	rain in	Overcast with rain in morning; variable till after-	; varia	ible till	after-	v. variable. The num	numb gregat	ers in column e duration of	V. variable. The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	m the	Camph ch day	ell-Stob	tes Sunsh	Sunshine Instrument, show	ument,	show.
	2 es el	nd sh. fterward	and Sh. P.M.; m. P. afterwards.	ч.	Sum 12.1		Sum 77.8								civil d	lay, or reading	from midnight of the baron	The Pegulia of all processing the control of the peguliar processes of the peguliar of the peguliar processes of the peguliar peguliar processes of the peguliar pegul	from 2	79 in.	at the vof the v	eginning o	of the we	ek to 30	32 in.
No. of Col.			28		29	00	0								ON TIO	011 011 0	in i die door	the factor of the	A	Similar .	and a second		See S		

WEEKLY RETURN

BIRTHS DEATHS LONDON

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 11. 1890. Vol. LI.

WEEK ENDING SATURDAY, MARCH 15.

Price $1\frac{1}{2}d$.

General Register Office, Somerset House, 17th March, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 23.6 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

Towns.	Weeks ending				The second second second		Weeks ending			
	Feb. 22.	Mar.	Mar. 8.	Mar. 15.	Towns,	Feb. 22.	Mar.	Mar. 8.	Mar. 15.	
Birkenhead	19.9	22.3	22.8	14.4	Liverpool	30.2	29.5	30.2	26.0	
Birmingham	27.0	23.1	27.8	23.8	London	21.8	21.3	22.3	20.9	
Blackburn -	30.4	36.3	38.8	35.9	Manchester -	35.3	40.8	45.6	35.9	
Bolton -		43.7		37.8	Newcastle-on-Tyn	e 25·9	28.5	29.4	29.4	
Bradford -	30.6	34.9	32.7	24.1	Norwich	26.8	29.0	25.2	24.1	
Brighton -	14.8			20.7	Nottingham -	25.1	21.3	21.9	19.4	
Bristol -		انتكاشا	26.5		Oldham	33.4	30.9	26.3	19.2	
Cardiff -			19.2		Plymouth	23.8	23.8	31.1	27.1	
Derby -			22.2	24.8	Portsmouth -	24.1	22.3	22.6	21.2	
Halifax -	29.2	29.9	35.0	29.9	Preston	37.7	43.1	38.7	27.8	
Huddersfield	24.9	26.6	28.2	20.5	Salford	28.0	28.8	33.1	22.4	
Hull	23.9	21.5	22.7	22.2	Sheffield	32.0	35.1	38.7	33.4	
Leeds -	29.4	36.5	29.5	27.4	Sunderland -	26.0	26.4	24.4	26.4	
Leicester -	23.3	17.9	22.6	20.3	Wolverhampton -	33.8	35.6	39.4	21.9	

The highest annual death-rates, measured by last week's mortality, were: --from whooping-cough, 1.3 in Plymouth, 1.4 in Liverpool and in Bolton, and 1.8 in Bristol; from measles, 1.0 in Derby and 1.1 in Norwich; and from scarlet fever, 1.7 in Sheffield and 1.9 in Sunderland. The death-rate from "fever" did not reach 1.0 per 1000 in any of the twenty-eight towns. The 41 deaths from diphtheria in these towns included 25 in London, 3 in Liverpool, 3 in Sheffield, and 2 in Manchester. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2717 BIRTHS and 1771 DEATHS were registered. increase of population, the births were 208, and the deaths 95, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21.8, 21.3, and 22.3 in the three preceding weeks, declined last week to 20.9. During the first eleven weeks of the current quarter the death-rate averaged 24.4 per 1000, and was 1.7 per 1000 above the mean rate in the corresponding periods of the ten years

The 1771 deaths included 35 from measles, 18 from scarlet fever, 25 from diphtheria, 86 from whooping-cough, 3 from enteric fever, 1 from an ill-defined

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

form of continued fever, 14 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 182 deaths were referred to these diseases, being

40 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 10; 8 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, 4 having been admitted during the week, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had risen from 14 to 35 in the three previous weeks, were again 35 last week, being 16 below the corrected average; 8 belonged to Islington, 3 to London City, and 3 to Bermondsey sanitary areas. 'The fatal cases of scarlet fever, which had numbered 13, 14, and 12 in the three preceding weeks, rose last week to 18, being, however, 6 below the corrected average; 2 belonged to Fulham, 4 to Shoreditch, 2 (admitted to hospital from one house in James Street) to Bethnal Green, 2 to St. George-in-the-East, and 2 to Greenwich sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1153 scarlet fever patients at the end of the week, against numbers declining from 1609 to 1187 in the ten preceding weeks; 76 cases were admitted to these hospitals during the week, against 89, 88, and 53 in the three previous weeks. The deaths from diphtheria, which had declined from 39 to 19 in the four preceding weeks, rose again last week to 25, and exceeded the corrected average by 6; 2 belonged to Kensington, 2 to Pancras, 2 to Hackney, and 3 to Newington sanitary areas. The 86 deaths from whooping-cough showed a further decline from the high numbers in recent weeks, and corresponded with the corrected average; 6 belonged to Paddington, 6 to Pancras, 5 to Hackney, 5 to Bethnal Green, and 7 to Camberwell sanitary areas. The deaths attributed to diarrhaa and dysentery, which had declined from 21 to 9 in the three previous weeks, rose again last week to 14, but were 2 below the corrected average.

The deaths referred to enteric fever, which had declined from 12 to 4 in the four preceding weeks, further fell last week to 3, and were 10 below the corrected average. The Metropolitan Asylum Hospitals contained 63 cases of enteric fever and not one of typhus on Saturday last; 10 cases of enteric fever were admitted

during the week, against 9 and 8 in the two previous weeks.

The deaths primarily attributed to influenza numbered, 11 last week, against 24 in the previous week, having declined from 127 to 23 in the seven preceding weeks; 4 occurred in the West, 4 in the South, and 3 in the North groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had increased from 439 to 510 in the four preceding weeks, fell last week to 447, and were 69

below the corrected average.

Different forms of violence caused 76 deaths, concerning all but 3 of which inquests were held. Of these 76 deaths, 12 were cases of suicide, and 2 of murder or manslaughter, while the remaining 62 were attributed to accident or negligence. Eight of these were caused by horses or vehicles in the streets, 11 by burns or scalds, 1 by poison, 2 by drowning, and 22 (including 20 of infants aged under one year) by suffocation. The death of a child, aged 14 months, was returned, after inquest, as resulting from syncope whilst under chloroform "properly administered for operation."

GREATER LONDON.

In Greater London 3578 births and 2242 deaths were registered, corresponding to annual rates of 32·4 and 20·3 per 1000 of the estimated population. In the Outer Ring 13 deaths from measles, 10 from whooping-cough, and 7 from diphtheria were registered. Four deaths from measles were returned in Tottenham sub-district, and 2 from diphtheria in that of West Ham. The deaths from whooping-cough included 2 in West Ham and 2 in Leyton sub-districts.

METEROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.84 ins.; the lowest reading was 29.22 ins. at the beginning of the week, and the highest 30.18 ins. on Tuesday evening. The mean temperature of the air was 45°.3, and 4°.5 above the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average on every day of the week, excepting Sunday. The general direction of the wind was South-Westerly, and the horizontal movement of the air averaged 14.0 miles per hour, which was 0.5 of a mile above the average in the corresponding weeks of 16 years. Rain was measured on Monday to the amount of 0.24 of an inch. The duration of registered bright sunshine in the week was 28.1 hours, against 34.1 hours at Glynde Place, Lewes.

* See note on first page of this Return.

	SHITES	AND ·		Cols.	- 28 Towns.	LONDON. BRIGHTON.	FORTSMOUTH.	PLYMOUTH.	BRISTOL. WOLVERHAMPTOK.	BIRMINGHAM.	LEICESTER.	Depre Depre	BIRKENHEAD.	LIVERPOOL.	ROLTON.	MANCHESTER.	SALFORD.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	SHEFFIELD.	HULL.	NUNDERLAND.	CARDIFF.		EDINBURGH.	DUBLIE.
	'ALL.	-iin	oD nI metre	24.	0.46	0.61		0.33	0.63	1	1	14.0	1 1	0.21	1	,	1	1 1	ı	1	1	1.12	1	0.58	00.0	Te o		1.07	1.35
	RAINFALL	•29	qoul al	23.	0.18	0.13	6 1	0.13	0.25		1	91.0	1 1	0.50	1	1	1	1 1	1	1	,	0.44	1	0.11	00.0	07.0		0.33	0.25
AIR.	-	de.	argitaeU	22.	7.33	7.39	1 1	7.85	6.39	1	1	00.2	1 1	8.50	1	•	1		1	•	1	7.28	1 1	71.7	90.4	77.7		7.22	00.8
OF THE	Maon	.tie	Картепр	21.	45.0	45.3	1 1	46.1	44.4		1	9.47	1 1	47.3		1	1		F	,	1	1.27	1 1	44.9	7.44	20.95		45.0	4.04
TEMPERATURE OF THE AIR.	-	.Jaawo	nheit.	20.	28.2	31.0		84.3	33.2	1	1	20.3	1 1	36.2	ı	1	1	1	1 1	ı	1	2.08	1 1	0.63	32.0	32.0		27.5	1.72
TEMPE		taodgi	Fahrenheit	19.	91.19	61.1			58.5	1		0.69	2 : 1	58.0	-	- 1	1	1	í 1	-	1	0.19	r' J	0.09		0.29			59.5
-menga-	nding	in in	From Diseases Cols. 6-	18.	3.0	2.1.	4.0		0.0	5.0	-	4.0	0.2		9.8	2.2	I.5	7.7	2.0	1.1	9.0		D 00	1		9.0	0 -	10	4 67
Annual Rate	corresponding to the	as.	From A	17.	23.6	6.03	21.5	27.1	26.0	23.8	20.3	19.4	14.4	0.93	8.48	35.9	22.4	2.61	8.4.2		6.63	24.1	23.4	2.23	4.97	\$0.00 \$0.00	3.0.Z	8.03	0.63
-			teanU sesusU	16.	112	000	1 1		07 H	00		co ,			99	10	R	1 0	-	1 01		-	62 6		1	-3 1	1	***************************************	14
			dead luA oriteal	15.	732	330	10	1	8 8 8	89	10	1 61	- 1	47	6	09	15	es 0	0 4	H I	63	121	12	10	-1	00 1	-	26	77
L			dasupal	14.	340 7	20 A	4-	- 43	5 5	24	10	10 4	e -	7 22	c ₂	17	ಣ	10 I	9 -	- 64	-	44	133	- 1 20	6	4	9	Q4 !	o. 63
de	-	•a	Violene	13.	164	76 1	00 -	1 63	9 4	10	63	ော	1 1	16			-	67 (N	3 1	H	H	4 n		ì	10	67	-	4 1
The Duame registered in the Week include		•#8	Odriald	12.	40	14	1 -	4 6		63	1	-	1 -	- es	63	ော	67	1	-	1 1	1	63	I r	1 67	1	1	1	-	9 4
e Wee		-	F.GAGL*	11:	10	48 1	1 +	- r	ા છ	-	П	1 1	- 1	1	-	1 —1.	. 03	ı	8 (1 1	1	ŧ	l' c	0 1	H	1	-	1	4 4
d in th	from	-8u	Whoopi	10.	141	98	1 2	L 0.1	00 1	ಎ	ł	£	1	1 6	2 00	4	-	61	21	1 63	1 1	-	41 (N 67	ı ji	1	-	8	100
vistore	Deaths from	.air	Diphthe	.6	41	22	1 r		1 1	ı	1	-	1	1 0	2 H	67	-	1	-	1 1	-	i	1	o 1	1	L	ı	က	1 00
120 70	Ā		Searlet Fever.	ث	59	18	1 8	1 1	- 1	9	1	1	ı	1 6		. 9	Н	1		- I	1	1	01	= -	1 10	1	¢3	1	67 1
Day		-	Messies	7.	99	10 I	0	9 1	1 1	9	1	1	6.1	1 =	1 1	4	1	1	63	1 1	1 1	-	8	1	1	1	1	10	3 8
É		,xo	oq-Ilam2	6.	1	1 1	1	1 1	1 1	1		1	1	1	1 1	1	1	1	1	1	1 1	1	1	1 1	1	1	1	1	1 1
П	s of	87	Rensrad Selven Sendubna	δ,	1120	496	24	12	500	46	20	27	10	7	12	09	£2	6	50	60	9 00	30	92	10 6 10 0	2 4	17	1~	21.	48
	Deaths	30	u santal rest f .93A	4.	929	263	2 10	00 00	23.	70	15	20	9	60 0	2,7	70	21	10	17	10	. io	14	45	50 E	1 20	21	Ħ	18	57
	luring _	-1	DEATES.	90	4401	1771	24 20 20 20 20 20 20 20 20 20 20 20 20 20	4.4	35	911	09	16	48	550	306	100	104	P 2	10 80	910	47	111	191	213	69	.02	47	108	136
	Registered during the Week ending	15th Mar., 1890.	Вівтив. Di	oi	6081	2717	26	27 4	144	27.2	105	121	80	62	83.0	400	141	99	101	200	00	105	265	203	104	188	85	159	878 181
-				-	-		G 64	67 <	> 00 9	o 1	ن 4	. 0	9-4	6	<u>ه</u> ده	2 5	- 6	9	92	92 9	S 25	20	66	22	99	18	12	10	8 8
	POPULATION	estimated to the middle of	the Year 1890.*	1:	9,715.559	4,421,661	123,659	95,352	232,248	008,68	154.844	244,909	100,871	105,049	613,463	010,010 701,010	942,509	146,716	123,553	105,163	82,034	240,515	868,799	832,587	186,506	162,987	117,012	271,185	\$53,208
-				Cols.		4 -	• 1 6		0. 12	101	. "	•		0,	0, 1			٠	9	g. 1				h 1	,				4 - 4
		CITIES	BORUCGES.	22	28 TOWNS	Lowbon .	BRIGHTON .	NORWICH .	BRISTOL	WOLVEBHAMFIUM	BIRMINGHAM I THEFTER	NOTTINGHAM	DERBY -	BIRKENHEAD	LIVERPOOL .	BOLLON	SALFORD	OLDHAM .	BLACKBURN .	PRESTON	HALIFAX -	BRADFORD -	LEEDS	SHEFFIELD .	BRLANI	NEWCASTLE -	CARDIFF	EDINEURGH -	GLASGOW

TABLE 2. LONDON.—Births and Deaths Registered in the ELEVENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
TOTAL Births Males Females	2757	2709	2574	2771	2761	2675	2750	2501	2629	2699	2925·3	2717
	1410	1350	1344	1468	1384	1330	1356	1251	1352	1366	1484·3	1381
	1347	1359	1230	1303	1377	1345	1394	1250	1277	1333	1441·0	1336
Total Deaths Males Females .	1465	1459	1691	1854	1660	1678	2413	1652	1604	1638	1866·2	1771
	768	722	866	974	856	841	1229	829	797	812	948·0	907
	697	737	825	880	804	837	1184	823	807	826	918·2	864

^{*} The numbers in this column are the average weekly numbers in the eleventh weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THEREIN

TABLE 3. LONDON.			,			J10000	701 11	· ·	Last	Iniki	LEEN	W EEB	131
	Dec 21.	Dec. 28.	Jan.	Jan, 11.	Jan. 18.	Jan. 25.	Feb.	Feb. 8.	Feb. 15.	Feb. 22.	Mar.	Mar. 8.	Mar. 15.
TOTAL Births -	- 2513	1815	2961	2818	2714	2510	2699	2707	2793	2702	2561	2536	2717
Total Deaths -	- 1810	1690	2371	2747	2720	2227	1849	1749	1809	1847	1802	1889	1771
Ages at Death 0-20 years 20-40 , , 40-60 , , 60-80 , 80 years & upwar	- 729 - 216 - 348 - 424 - ds 105	220 332 396	834 346 541 552 98	939 367 670 640 131	909 450 666 576 119	775 349 510 503 90	703 282 369 390 105	714 238 334 363 100	763 218 357 390 81	753 256 363 374 101	739 234 324 418 87	798 226 348 428 89	776 196 303 404 92
$ \begin{cases} $	- 364 - 261 - 98	232	398 310 126	430 375 134	415 344 150	386 294 95	350 250 103	372 254 88	352 306 105	393 259 101	367 263 109	394 294 110	392 271 113
Deaths from Small-pox ,, Measles ,, Scarlet fever ,, Diphtheria ,, Whooping-coi	- 3 - 2 - 2 - 2 - 6	2 14 26 67	36 15 32 98	24 13 26 112	24 92 22 104	21 10 22 82	11 14 24 67	8 19 24 91	21 14 39 115	1 14 13 27 103	19 14 24 97	35 12 19 95	25 18 25 86
", "Typhus - ", Enteric fever ", SimpleContaf ", Diarrhœa at Dysentery	ever - 1:	13	12	11 12	14 1 6	10 14	9 9	2 4	12 1 6	8 1 21	7 1 12	- 4 1 9	3 1 14
,, ,, choicea - ,, ,, all the above mentioned Diseas		170	203	199	193	160	134	148	203	188	174	175	182
,, ,, Dis. of Respire tory Syste ,, ,, Phthisis -	m 5 16		843	1069	1010	736 239	550 220	485 209	4 39 215	452	492 224	510 206	447 164
" ,, Dis. of Circul tory Syste	m } 10		222	275	209	193	116	154	143	162	146	163	145
Violent Deaths Inquest Cases Deaths in Public Institutio	- 6: - 15: 41:	121	91 195 494	55 192 534	65 171 626	60 142 491	62 127 471	58 125 401	56 137 436	77 143 434	52 134 425	65 120 406	76 162 390
TEMPERATURE OF THE ADMINISTRATION Mean Of Highest reading Mean of Lowest readings	- 43· s - 47·	3 44.0	36.7	47.6 52.4 43.0	45·5 50·6 39·4	42·7 48·4 36·9	42·9 48·3 38·2	37·1 42·7 32·0	35·9 41·7 30·8	39·4 43·9 35·9	35·4 42·0 30·4	36·4 43·6 29·0	45.3 54.0 37.6
Humidity of the Air - Rain-fall in inches - Registered Sunshine (in hor	- 94 0·3 1rs) 2·1	3 0.61	97 0·11 5·0	89 0·40 10·1	86 0·13 7·3	84 0·77 14·9	90 0·73 8·9	89 0.05 9.5	87 0·88 31·2		87 0·22 9·7	69 0·33 12·1	79 0·24 28·1
				1		1		1		1			1

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

LONDON.—DEATHS Registered at several groups of AGES from different Causes in the ELEVENTH Week of the Year 1890. TABLE 4.

	100				.Di	LEV.	ENT	H	W ee	of the Year 1890.									
	years		In Ratu			ak et 1 Ma			•		for the		Satu	n the	We 15th	ek ei Ma	ndins rch 1	890.	
:	of the 10 y 0-89.		D		he A	Perso	ns 0	f			ine 10	,	De	aths t	of P	erson ges	ns of		
CAUSES OF DEATH.	Corrected Avers 11th Weeks of 1880-8	ALL AGES.	-	Jude 20.	-20.	and under 40.	and under 60.	and under 80.	Years and upwards.	CAUSES OF DEATH.	Corrected Averages 11th Weeks of the 1 1850-89.*	L AGES.	-	nder 20.	20.	and under 40.	and under 60.	and under 80.	rears and unwards.
	87	4	1	14	0	3	9	3	200	ilm to de a f	87	ALL	0-1.	1-6.	10	2	40	90	3 2
ALL CAUSES	1866*2	1771	392	271	113	196	303	404	92	Diseases of Organs of Special Sense †}	3.0	2	2	-	-	-	-	-	-
Small- Vaccinated; -	}10.1		-	-	-	-	-	-		Diseases of Circulatory)	24010	145	Į.	-	,,	30	40	-	
pox No Statement) (;	-	-	7	-	-	-	-	-	System; -}	142.0	145	1	2	11	16	40	63	9
Measles	51.4	35	5	30	-		-	-	-	Croup	16.0	16		12	4	_	-		
Scarlet Fever	0.8	18		14	4	-	-	-	-	Bronchitis Pneumonia	334°7 116°8	282 118	52 31	46 25	4	9	41 23	106	24
Typhus Relapsing Fever †	0.0					-			-	Pleurisy	5'2	5		-	-	1	2	18	4
Influenza	0.1	11	1	2	2	1	2	3	-	Other Diseases of Respi- ratory System}	43.0	26	4	3	-	2	6	11	-
Whooping-cough	85.5	86	33	50	3	_	_	_	-					_				_	_
Diphtheria	18.8	25	1	18	3	2	1	-	-	Dentition †	17.8	17	11	6	-	-	-	-	-
Simple Continued and	2.2	1		-	-	-	1	_	_	Quinsy, Sore Throat † -	6.9	12	3	ī	2	-	2	2	2
Ill-defined Fever -}	13.4	8			. 1	2	~			Peritonitis Diseases of Liver	7·5 27·0	26	2	-	3	3	8	3 12	-
Enteric Fever	0.2		-	_	-	Z	-	_	-	Other Diseases of)	31.3	25	4	1	1	5	4	10	
Diarrhea, Dysentery -	15.6	14	7	-	2	_	2	. 2	1	Digestive System -}									- 1
Remittent Fevert	0.1				-	-			- 1	Diseases of Lymphatic)									
Hydrophobia	0°1	П	-	-	-	1-1	-	-	-	System & of Duetless	1.6	3		-	1	1	1	-	-1
Glanders	0.3		-		-	7	-1	-	-	Giands 7)	1.								
Cowpox and Effects of \ Vaccination † }	0°8		100	-	-	_		-	-	Diseases of Urinary	42.0	40					11	OT	
Venereal Affections -	13.3	13	11	-	-	2		_		System}	41.9	43	1	~	3	5	11	21	2
Erysipelas	5'6	5	1	_	_	1		3	-									-	-1
Pyzmia and Septiczmia †	3.0	1	-	1	-		_		-	Diseases of Generative	5.8	6		_	1	2	3	_	. 1
Puerperal Fever	8.2	5	-		-	5	-	-	-	Accidents of Childbirth	8.6	1	-	-	-	1	-	-	-
Other Zymotic Diseases †	1.2		_		_	-	-	-	1-				-		-	_			-1
(TT)	2.0									Diseases of Locomotive	7.8	8	1	_	3	1	2	1	- [
Thrush Worms and other Para-1		انا			-	-	-	-	-	System 7 3		-					_		-1
sitical Diseases}	0.5				-	-	-	-	-	Diseases of Integumen-	6.0	7	2			,	2	2	- 1
Starvation, Want of	1'2	1	1							tary System}				-	-	1	_		-
Breast-milk † }					-		-		-	VIOLENT DEATHS									
Alcoholism	5.2	9			-	3	5	1	-	VIOLENT DEATHS.§									
Rheumatic Fever. Rheumatism of Heart†	8.3	8	-	-	6	1	1	-	-	(ACCIDENT.) Fracture and Contusion Gunshot Wound	20.6	25	=	1	3	6	11	3 -	1
Rheumatism †	3.6	1	-	-	-	-	1	-	-	Cut, Stab Burn and Scald	0.2	ıĩ	.1	-3	3	-	3	-	ī
Gout	4'8	3	-	-	-	in	1	2	-	Poison	7'5 1'2 4'7	1 2		1	-	-	- }		-
Rickets† Cancer	4'3 53'4	8	1	7	-	-`	100	-	-	Suffocation	16.6	22	20	2		1	1		- 1
Tabes Mesenterica	24.5	62 24	17	-	-	7	80	22	8	Otherwise	2.3	1	1	-	-		-,	-	÷ -
Tubercular Meningitis -	31.2	81	12	13	2	-		-											
Phthisis	180'3	164	3	19	17	2	53	10		(Homicide.)									
Scrofula, Tuberculosis -	16.1	20	6	4	4	78	3	13		Murder & Manslaughter	1.1	2	1	-	1	-	-	-	-
Other Constitutional Diseases † }	10.3	15	-	-	2	4	5	3	1	(SUICIDE.)									
Premature Birth	37.4	44	40			-				Gunshot Wound Cut, Stab	1.1	1 2	-	-	-	1	2	-	-
Atelectasis t	2.4	3	3	-	-	-	-	-		Poison	1.2	1	-	-	.1	-		1	-
Congenital Malforma-	_					-	-	-		Hanging	2.0	3	-	-	-	1 3	1	1	-
tions	8.1	7	7	-	-	-	-	-	-	Otherwise	0.8	4	-	-	-	3	1		_
Old Age	67.0	57	_	-	-	-	1	23	33							-			
Apoplexy	4714				-			_		(EXECUTION.)			,						
Epilepsy	47°4 6°8	51 6	-	2	-	8	11	26	4	Hanging	0.0	-	-	-	-	-	-		-
Convulsions	49.8	47	38	5	4	2	2	1				-	-						-
Other Diseases of Brain and Nervous System	108.2	112	17	13	9	3	20	43	7	OTHER CAUSES † -	60.0	54	46	4	İ	٠-	-	3	-
© The name have in Alice to		-	-	-			1				1	l .					1		

[•] The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.045 per cent. for increase of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

† Those cases of small-pax only are returned as "vaccinated" or as "unvaccinated" which are so extilled by registered medical min. When the medical attendant does not certify that the deceased has, or has not, been avecinated, or when the cause of death is not circuled by a registered practitioner, the case is returned under the heading "no statement."

† The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, mirler, manual angiver, or suicide. All such cases are classed under "accident or negligence."

^{61202.-11.}

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET

ABILE S. HONDON TOT duals.				10.			1 7			e . '			duri	ng t	he V	Veek	end	ing
A design of the second						Ţ,	The	DEA	TH8	egist	ered i	in the	Was	kine	lude			
	Enume-			Deat	hs of		′			Deat	hs fro	m				1		-
REGISTRATION	rated Fopu-	. 18.	E.S.	H	1 60 wds.					ugb.		Ter.	er.			_	Publie,	Causes
SUB-DISTRICTS.	lation,	BIRTES	DKATER	of Age.	aged a	οχ.		Searlet Fever.	ia.	g-oong		(or	Feb	ė		Cane	Deaths in Pulnstitutions.	ed C
	1881.			fants Year o	sons sars	Small-pox	Measies.	riet 1	Diphtheria	Whooping	hus.	rie	ple c	Diarrhu	Violense	Inquest	the	artiff Des
		Total	Total	Infants Year	Persons Years	Sm	Mes	Sea	Dip	Wh	Typh	Enterie (o Typhoid)	Simple e	Dia	Vio	Ingi	Des	Uncertified (of Death.
LONDON	3,815,701	2717	1771	392	496	-	35	18	25	86	-	3	1	14	76	162	390	20
WEST DISTRICTS	669,688	407	290	56	91	-	4	5	3	12	-	1	-	4	20	32	86	-
North Districts	905,947	612	400 141	73	116	-	10	6	9	18	-	1	-	1	16	35	84	1
CENTRAL DISTRICTS	282,288 692,788	146 561	346	21 85	80	-	5	2	2 4	4 28	-	-	-	5	16	19 40	31 90	3
SOUTH DISTRICTS - HOS-	1,265,148	991	593	157	169	-	8	4	7	29		1	1	4	15	36	98	15
London	-		1	-	_		-	1	-		-	-	-		_	-	1	
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M.	69888	53	83	11	7		2		_	2	-	-		7_	2	2	4	H
St. John Paddington H G.J. Kensington Town Ww W.M.	87380 120141	9 69	32 48	13	3 18	-	-	1	-	1		-	~	-	5	9	10 12	-
Brompton H W.M. & C.	48010 7599	. 9	15	2 -	3	-	-	-	-	-		-	-	-		1	5	H
St. Paul Hammersmith H W.M. & G.J. Fulham Wew - W.M. & C.	64840 42900	46 56	25 87	6 8	5	-	ī	4	2	3 -	I -	-	-	1	2	2	1 8	
Chelsea South HHH - C. C. Chelsea North-west WHHHHH- C.	30396 24925	11 28	9 15	5 1	4 8	=	-	-	-	-	Ξ,	-	-	1	1 2	3	4 11	-
Chelsea North-east G.J.	82807 80353	22 12	23	1 -	18		1	-	-	1	-	1	-		ī	3	17	
Belgrave WHHH- St. John Westminster HHH C. St. Mangaret Westminster H - C.	59220 85496 24679	32 29	25 9 6	2	6 5 1		-	-	1 -	1	-	=	=		-	1 1	9 3	=
Bt. James Westminster WHH N.R.&G.J	29941 16608	7 19 6	7 5	2	8 2	=	-	-	-	-			-	-	1	1	2	-
St. Anne Soho HHHHHHHH - NR. NORTH DISTRICTS.	10000	0											-					- 9
All Souls Marylebone HHHHH · W.M. Cavendish Square HHHH W.M.	26759 14891	14	15	1	1	-	-	-	'- -	ī	-	1	-	-		1	6	-3
Restory Marylebone WH G.J. & W.M. St. Mary Maryleb HHH G.J. & W.M. Christehurch Marylebone HH - W.M. St. John Marylebone H - W.M.	24809 21118 38700	16 34 15	5 7 16	3 2 3	2 4		- 2	-	= "		-	-	-	-			8	-1
St. John Marylebone H W.M. Hampstead WwwIIHHH N.R. & W.M.	83633 45452	15	15 15	2	7 8	-	-	-	1 2	2 -		-	1-	-	-	3	-	1
Regent's Park Pancras H W.M. Tottenham-court wHHHH N.R.&W.M.	89115	19	10 15	1 2	6 5	-	-	-	-	ī	-	-	-	-	ī	1	5	-
Gray's Inn Lane HHH N.R.	27729 30247 84369	15 22	25 14	8 2	1 2	-	1	-	-	3	-	-	-	-	7	8	5 2	=
Camden Town WH N.R. Kentish Town W N.R.	17811 87487	9 66	15 35	7	12	-	-	-	-	1	-	-	-	ī	3	1 6	10 7	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	67946 100976	51 78	45 40	6 9 8	16 10 5	-	3 2	-	1 -	1	-	-	-	-	2	2 2	16	-
Highbury H N.R.	61895 52048	46 25	18	3 2	4	-	2	-	E	2 -	-	-	-	-	-	1 -	-	-
Stoke Newington H N.R. Stamford Hill E.L. West Hackney H N.B.	92781 9277	14 12 24	7 7 15	1	2 3	=	=	-	ī	E	-	-	-	-	-	2	ī	-
Hackney WwwwH E.L.&N.R. South Hackney E.L.	37610 76911 39883	57 35	45	3	15		-	6 -	4	2 3	-	-	-	-	2	2	20	=
CENTRAL DISTRICTS. St. George Bloomsbury N.R.	1,0001	9	5	_	1		_											1
St. Giles South WH N.R. St. Giles North N.R.	16681 14864 18837	5 6	5 2	1	-	=	1 -	-	1 -		-	=	-	=	-	1	-	- 1
St. Martin-in-the-Fields HH N R. & C.	17508 7515	5 -	12 3	1 -	4	-	-	=	=	-	-			-	1	3	4	- 4
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	8559	2	14.	1 -	3	-	2 -	-	=	-	=	=	=	-	-	1	6	-
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Saffron Hill H N.R.	18671 10706	9	15	6 2 -	2 2 1			Ę,	1 -	ī	-		-		1	3	6	-
St. James Clerkenwell - " - NR	6583 17516 19281	6 9 19	3 5 6	1	3		1 -	=	=	-	-	-		-	3	3	-	= 1
Pentonville N.R.	14773 17506	10	5	8	1	-	1	=	-	1		-	-	-	=	2	-	1
Old-street H N.R. City-road HHL N.R. Whitecross-street N.R.	11541 18628 9217	22 10 4	7 3 8	1	4		-	-	-		-	-	=	-	=	-	1	-
Fiusbury Holborn Union Workhouse, Milcham, w.	7468	3 -	3	-	2	= "	-	=	-	=		=		=	-	ī	-	1
St. Botolph H N.R.&E.L. Cripplegate N.R.	7198	3	9 5	-	4	-		-	-	1	-	-	-	-	1	_	1	Ξ,
St. Sepulchre H N.B. St. Bride W N.E. Allhallows Barking N.B.	5858 8896	5 1 5	11 2	2 -	2 .	-	2 -	-	=	ī	-		-	-	2	1 2	7	3
Broad Street H N.R.	13666 5652	-	4	1=	1 2	=	-	-	-	-	-	-	-	-	1 -	1	-	-
						_		-	-							-		-

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Workhouse; (H-Hospital; L-Lunatic Asylum; L*-Private Lunatic Asylum in which paupers are received; w-Workhouse Establishment receiving inmates from other Districts than that in which it stards, (see note at the root of next pake). The Roman capitals signify the Water Companies which supply the different; sub-districts:—O. J. agmines Grand Junction Company; W. M. West Middlesex: C. Chelses; S. Nouthwark and Varthall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

R, DIPPTHERIA, WHOOPING-COUGH, FEVER, DIABRHEA, VIOLENCE, &c., registered in each Sub-district day, 15th March, 1890.

day, 15th March, 1890.	1													_				
							The	e DE	THS	regist	ered i	in the	Wes	k inc	lude		,	
	Enume-			Deat	hsof					Death	s from						10	89
REGISTRATION	Popu- lation, 1881.	Total BIRTHS.	Total DEATER.	Infants under Year of Age.	Persons aged 60 Years a nuwds.	Small-por	Measich.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterie (or Typhoid) Fever,	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Meath.
EAST DISTRICTS. vell Shoreditch - N.R. & E.L. onard Shoreditch HL* - N.R. in New Town * N.R. in Old Town N.R. erston WH N.R. & E.L.	7376 14967 29937 28036 46275	J0 12 18 22 34	1 16 7 37	1 2 2 8	1 5 3 11	11111	1	2		1/1	11111	11111	11111	1 2	- 1	1 1 4	1 8 - 10	1
tal Green North H E.L. all Green East WHL^* - E.L.	51157 34399 41405	42 31 33	.50 7 19	10 4 7	2 3	-	2 -	1 - 1	1.17	2 1 2	111	111	111	111	2	3 3 3	6	111
fields - - E.L. & N.R. End New Town W - E.L. & N.R. nan's Fields - - E.L. & N.R. te - N.R. & E.L.	22565 15478 17490 9718 6102	18 11 16 2 6	4 12 35 1	2 1 8 1	1 6 -	11/11	- 1 -	11111	1	2 1 -		1111	1 1 1 1	1	4 -	2 8 -	7 21	1111
orge's, North E.L. hn, St. George East W - E.L.	88747 8410	37 7 8	17 5	7 1 7	1		-	-	- 1	3 - 2	-	-	-	-	1 -	3 1 1	5	1 -
vell H E.L.& N.R. ff E.L. couse E.L.	16107 32041	7 31 37	8 13	$\frac{1}{2}$	3 3	1 1 1	-	-	-	3			-	411	ĩ	2		ī
End Old Town West H - E.L. End Old Town East $WwwH$ - E.L. Ley $wwwH$ E.L. F.W.H E.L.	87960 87658 87074 64359 55077	33 67 32	38 12 38 28	5 1 8 7	1 13 3 12 11	1 111	1 -	11 111	- 1	1 1 2	1 1 1	11 11		111 11	- - 4 1	7 2	7 15 2	11111
Lange Lang	.8683 14999 21381 15563 21672 59555 21623 11956 16800 15669 54682	11 15 10 6 15 25 42 17 10 13 14 32	-5 9 6 7 10 9 26 9 23 2 7 20	1 1 2 1 2 4 3 6 6 - 2 8 7	- 3 - 122 14 1 - 51 - 3	1,1	1	arra greatura	1 1 1 1 2 1 1 1 1 1 1	1 - 1 - 1 1	1111 13111111				1 5 5	1 1 2 5 - 1	12	
100-road lst H - L, & S, eth Church lst H - L, & S, eth Church lst H - L, & S, eth Church lst H - L, & S, eth Church lst H - L, & S, eth Church lst H - S, & L, a S, a L, a see S, & L, & S, a L, a see L, & S, a L, a see L, & S, a L, a see L, & S, a L, a see L, & S, a L, a see L, & S, a L, a see L, & S, a L, a see L, & S, a L, a see L, & S, a L, a see L, & S, a L, a see L, & S, a L, a see L, & S, a L, a	36024 15195 16361 19876 39859 45232 35382 62837 19017	29 15 18 18 33 48 24 24 34	13 14 31 25 15 24 5	7 - 3 7 5 2 6 -	3 - 1 3 15 9 4 8 2	1 11111111	1111111	- F11111	TIMETE .	1 1 2 1 -		1 111111	1111111111	1		1 2 1 1 -	2 8 15 - 1	1 1 2 2 2 -
Sattersea - - 8. Battersea WwH- - 8. nm H- - 8. sworth WHL - 8. ham - - 8.	54675 52587 86350 28004 13235 25558	56 50 16 33 18 32	25 34 34 19 2 10	8 6 5 1 2	8 10 3 4 1	111111	2	11111	1	- - - - 1	11111	1 7 7 7	111111	1	1 1 1 -	4 2 2 2 1	1	1
ch L. & S. & L. & S. & L. & K. orge Camberwell L. & S.	5590 59104 71089 50810	1 58 44 41	2 37 69 22	3 10 8	1 13 15 5	1111	1	10	ī	7	CHI	1111		2	1 1 1	1	19 3 -	1
ul Deptford was K, cholas Deptford K, wich West H K, wich East WHH K,	76752 7901 21972 24608	74 4 17 15	ε6 3 8 22	10 - 5 6	7 1 2 6	1111	-	3	1111	1	1111	1111	7-1	1.1.1	2 - 1 -	3 - 2	1 - 10	1
n H K. H K. ham WH K.	5048 21559 19865 26076	3 10 19 12	5 13 6	1 5 3	1 4 2	1111	4	11,11	1 1111	1 1 -	1.1.1.1	1431	1111	1111		1	1 3 -	1411
on H// K, ish Dockyard K, ish Arsenal HH : K. cead, West H K, tead, East W K.	10980 17617 19048 14009 19241	5 13 13 10 26	4 5 6 4 13	1 4 8 1 4	2 1 1 - 6	11111	1111	11111		1 1 1	1111	1111	1 1 1 1 1	11111	1 1 1 1		- 4	1 1
olitan Asylum Hospitals: rtford w	-	: -	ī	-	7 - 7		1	ī	- 1	-	-	-	100	9 9	-	1 1	1	-

Mlowing Workhouse Establishments are indicated in the above Table by w (see note at foot of preceding page):-

pilowing Workbours Establishments are indicated in the above yields in the above yields in the above yields in the above yield in the above yields

Stepney Worknosse in Bromley sub-district.

Popiar & Stepney Sick Asylum

Westminster Union Industrial School in West Battersea sub-district.

St. Saviour's Infirmary in Camberwell sub-district.

Betropoulan Asylum District Hosoitals in Fainam. Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edunotion sub-districts outside Registration London.

Strand and Holborn Workhouses outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during Week ending Saturday, 15th March, 1890.

,					1	1		- ,			1, 100						
Regis-		Area		- 10	,	-			The D	EATHS	regist	ered in	the V	Veek i	nclude	. ′	**
tration District		Acres, inclu-	Enume-		n n	Dea	ths of		4		Death	s from	1				
and	REGISTRATION	ding	Popu-	BIRTHS.	DEATUS	e.	s aged 60 & upwds.		1	1		ugb,	1 '	1		2	Deaths in Public institutions.
Sub- district	SUB-DISTRICTS.	Tidal Water	lation,	SIR)EA	afants under Year of Age.	age up	, i		. 6 V 6.1	ig.	Whooping-cough		1		Case	n Pu
Num-		and Fore-	1881.			nts	ons	1 1	Measles.	let H	the	opin	II.	rhoe	Violence.	189	hs i
bers.		shore.				Infants Year	Persons Years &	Small-pox,	Mea	Scarlet Fever.	Diphtheria	Who	Fever.	Diarrhosa	Viol	Inquest Cases.	Deat
		020.004				00			10			-		-		-	7
LOI	VDON - OUTER RING	370,924	950,957	861	471	83	152	-		1_	7	10	3	3	11		68
30:1	Carshalton wL -	12228	21118	12	27	2	6	-	-	-	~	-	-	-	-	-	19
3	Epsom (part of)* WwH	9971	10710	2	1	, -	-	-		`**		-	-		-	57	
87:1	Godstone (part of) * -	2754	1235	1	-	-	-	-		-		-	-	-	-	1	-
38:1	Croydon WwH L - Mitcham w †	20851	101241 17982	70	45	5	21	-	2	_		1		1	1 7	1	7
89:1	Wimbledon HHH -	3220	15950	10	7	2	4		-	-	-	-	· . = 1	,-	-	17	-:
2	Kingston WHH	8549	36354	16	12	2	, 6,	-	-	-	7-		-			`-	2
3 4	Esher (part of) * - Hampton H	6601 4573	9221 13539	7	2 7	1 3	1 2	3.	12	-	-	-		_	-	_	
40:1	Richmond WH	2272	21302	16	16	3	7,	- 1	į	-	que.	1	-	4	da -	-	6
2	Mortlake	2941	12331	-8	.1	-	-	4	-		-	-	-	-	- 1	-	A- 1
41:1	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	15669 14807	31142 15844	23	12	1 -	10 5	-	1	-	-	-	-	-	14°	-	3
42:1	Bexley H -	13487	24134	18	10	1	4	-	-	-	-	-	_	-	1	1	
2	Dartford (Ww, pts. of)*;		-	· -	2	-	1	-1	-	-	- [-	-			1-1	2
124:1	Sunbury w	11055 13277	11685 12089	7	3	2	1		- 1	- }		-		. 1	-	-	-
125:1	Staines W Hillingdon WHH	6029	10802	9	2	1	1	_	_	1						_	2
2	Uxbridge	6178	3225	4	4	1		-	-	- 1		-		-	-	1	_
8	Hayes wHL	14587	11523	11	10	-	3	- 1	-		-	-	-	-	- 1	-	6
126: 1	Isleworth WHH - Twickenham H-	7008 2477	22727 12479	18	19	3 1	10	-	1	_	1 _	_	1		1	1	2
3	Brentford HL	4345	27649	15	12	.3			-	- i		7	(- ·	7	1	1	- 1
4 5	Chiswick	1340 6088 ·	15975 22876	15	11	3	4			1	-	_	1	4	- 1	-	1
127:1	Harrow H	13809	12796	18	6	-	3	- 1	-	-	-		-		٠, ١		
. 2	Edgware H	6994	8749	3	-	-	-	-	-	+1			-	-	4		-
3 4	Willesden Hendon W	4383 8382	27458 10484	32 10	17	6	2	_	-	- -	_	. 1		-	1	2	- 3
137 : 1	Bushey	9331	6621	3	4	-	2	- 1	-			- (- 1	-	1	1	_
2	Watford (W, pt. of) * ~	, -	man/	-		-	-	- 1	-	1-	-	-1	-		-	-	- 13
128:1	South Minims	158 99 54 83	6391 10092	7 5	1	-	_		-	-	2	. =		-	-	-	
3	Finchley HL	4638	17615	16	12	1.	8		-		-	-	4,-	-	-	2	7
135 3 2	Hattield (part of) *	3306	583	-	-	- 4		-	-	-	-1	7	-		-	-	
129 ; 1	Hornsey H-	3039 4642	87078 46456	25	6 33	- 4	- 6	-	- 4	7	1	-	-		1	1	
8	Tottenham H Edmonson Ww -	7483	23468	52 28	6	- '.	1	-	-		-	-	-	-	1	3 -	3
4 5	Enfield WH	12653	19104	3.7	8	1	. 3	- 1	1	-	-			-	-		-
6	Waltham Abbey Cheshunt	11017 8480	5368 7785	5 7	3 4	1	1	-	2	-	-	-		-		-1	
186:1	Stratford	882	38606	41	22	G.	4	-	-	-	1	1	_	-	1	1	-
2 3	West Ham wwwwH\\ East Ham	4055 3296	90347 10706	127	64	16	18	-	1	-	2	2		-	1.	3 =	-
4	Leyton WwL	4372	32430	55	20	3	6	1-	1	_	-	2			-	-	8
5	Walthamstow H -	6520	28869	.47	10	5	-	-	-	-	1	- 1	-	1	1	1	-
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	2 -	7	1	5	-	- 1	-			-	1	-		-
189:1	Romford (part of) * W	6730	3411	1	-	-		Ψ,	-	-			-		-	***	
2	Ilford - ,	8493	7645	4	6	2	2	-	-	•	W.,	- '	-		-		-
3	Barking Town	4127	9203	17	2	1			-	with	-	-	-	-	-	-	-

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follows 39 : 2. Epson sno-district, except the parishes of Asistead and Headley (pop. 1265); 37 : 1, the parishes of Warlingham and Farley in Godstone s district: 39:3, Esher sun-district, except the parish of Esher (pop. 1893); 41:1, Brominy can-district, except the parish of Catham sex Rancekolt (pop. 1818); 41:2, Chalenarst sub-district, except the parish of Obelsfield (pop. 1818); 41:2, Chalenarst sub-district, except the parish of Obelsfield (pop. 1818); 41:2, Chalenarst sub-district, except the parish of Obelsfield (pop. 1818); 41:3, The parish of Nortaw in Hatfield (pop. 1818); 41:4, Chalenarst sub-district, except the parish of Dagonian in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:2, Expling, sub-districts, † Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Association in Workhouses belonging to account and the Lolborn Union Workhouse (see Table 5).

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

**Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital (see Table 5).

**Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital (see Table 5). Asylum Hospital, Winchmore Hill (see Table 5).

[|] On 1st January the two parishes of East Ham and Little Hord were separated from the registration sub-district of West Ham, and we constituted the registration sub-district of East Ham.

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 15th March, 1890.

			ANNUA	LRATE			The DE	ATHS	regi	stered	l in t	he W	eek i	nelud	le	
GREATER	Area in Acres.	Estimated		O living.	DEATHS	Deat	hs of			3	Death	s fro	m			ublic ns.
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
TER LONDON	448,334	5,758,500	20.3	2.0	2242	475	648	-	48	19	32	96	ż	17	87	458
NER LONDON -	77,410 370,924	4,421,661 . 1,336,839	20.9	2.1	1771 471	392 83	496 152		35 13	18	25 7	83 10	4 3	14	76 11	390 68

rr.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.-BIRTHS and DEATHS, and Rate of MORTALITY in 31 Foreign Cities, having an estimated Aggregate Population of 17,214,602 Persons.

						DE	ATHS		PRIN DISEAS	ES.	ZYMOI	
DITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIETHS.	DEATHS. of Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
UTTA BAY	433,219 { 773,196 398,777	January 25 February 1 18 January 17	295 307	261 307 381 297	31°4 36°9 21°8 38°6	14 14 10 3	2 5 7	1 2 0	- C - 1.	?	74 76 96	61† 89† 29† 50†
ssels	2,260.945 477,288	March 8	1229 270	1320 210	30.4	1	35	6	38* 2	14	15 1	.56 12
CERDAM - CERDAM - HAGUE -	406,402 203,486 156,497	99 8 99 8	284 152 118	194 107 66	24°8 27°0 21°9	-	3		-1	2 1	1 7	1.1.1
RNHAGEN - KHOLM - ISTIANIA -	307,000 228,218 138,300	99 1 99 8	219 125 60	155 96 66	26·3 21·9 24·8	-	1	3 11 1	12 4* 6	3	22'	8 5 2
ETERSBURG	924,106 1,526,887	February 22	921	537 650	30°3. 22°1	1	19 3	21	12 39	2 20	9	32 43
BURG(State) SDEN	575,276 269,250 -324,143	March 1 1 8	440 146 244	275 101 173	24°9 19°5 28°3		7	2 2	8* - 8* -12*	1 -	6 1 1	12 5 12
ICH	298,000 822,176 314,425	, 1 , 1	224 533	175 470 191	30°5 29°7 31°7	2000 2000 mms	3. 4. 3	3 1 1	2* 3 3	3	2 2	11 26 2
A-PESTH -	463,017 160,092	" 1 " 8	334 131	323 137 209	36°3 44°5 26°6		H .	· 2 1	9 4	3	3 1 101	24
n (10 days)-	409,692 314,827 156,515	January 4 February 10 ,, 22	301 263 97	310 79	35°9 26°3	1 8	11 70	, ~; 	4	1	4	14
O	374,838 231,396	,, 20 ,, 20	349 223	397 182	55°2 41°0 25°4	2		13	3*	2	15 6 5	101 39 12
YORK - OKLYN - LADBLPHIA - FIMORE -	1,595,547 852,467 1,064,277 500,343	33, 22 33, 22 33 22 34 22		777 349 370 205	21·4 18·1 21·4		1 14	9 2	31 9 5	1 5	11 3	3 1
ORLEANS -	254,000	" 15	-	132	27.1	7	440	See	2	-	4	9

Including deaths from croup.
 Including 31 and 46 deaths respectively from cholera in Calcutta, 3 in Bombay, and 2 in Madras.
 Including 6 deaths from malarial fever.

TAHLE 9.—METEOROLOGICAL OBSERVATIONS taken at the Rotal Observatory, Greenwich, during the Week ending Saturday, March 15th, 1890. Under the Superintendence of the Astronomer Royal.

0.I 2.2 The height of the cistern of the barometer is 159 feet above the mean level of the sea; no Observations are usually taken at the A.M.; noon; Sh. F.M.; and Sh. F.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are the aggregate duration of bright smishine on each day. The results of all the meteorological observations are to be understood as applying to the converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the parometer and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement The thermometers in the Water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptical, and their readilities are registered by the Clerk of the Market, under instructions from the Corporation of London. symbols employed are :--F. positive; N. negative; w. weak; m. moderate; s. strong; and The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show ng of the barometer increased from 29.22 in, at the beginning of the week to 30.18 in reading the columns 9 and 25 it will be borne in mind that + indicates "higher," The record of Electricity is derived from Thomson's self-registering Electrometer. mng mns in. 0.00 00.0 00.0 and minimum thermometers, forming the mean daily value of temperature of etric records for the 16 years ending 1875. of 16 Years. Miles. +199 550 56 + 183 -171 Sum + 88 Robinson's. of the Air forizontal Miles. Sum 2356 24 Wind as deduced from Anemometers. correction has been applied to the readings to reduce to sea level. Mean of 24 hourly lbs. 0.0 0.0 Pressure on the bs. 0.0 0.0 0.0 0.0 0.0 Great-0.1 8.7 . Osler's. NW.&NW SW. & SSW. SSW. S. & SSE. W. & WSW. W. & SW. civil day, or from midnight to midnight. WSW. SSE. SW. SSW. P.M. General Direction. SW. SW. & WSW. - "lower," than the average. SW.& WSW. SW. & SSW. WWW. SSE. & S. Calm & WSW. WSW. A.M. 19 Of the Water of the Thames at Deptford. 38.2 6.69 41.7 est. 2.2 42.8 2.07 18 Highest. 41.8 High-est in Sun's on the Rays, Grass. Of Radiation. 22.5 98.0 30.3 29.6 83.0 33.6 Fine in early morning; generally evereast till soon; fine afterwards; partially cloudy till evening; fine fre-6.06 very fine after 8.40 2.76 Fine till 4h, A.M.; atterwards overcast, with quent rain till atternoon. and 99 84 20 98 14 4 eloudy GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature, 0.0 0.1 9.1 e in morning; variable with 2 partially Very fine; generally cloudles. Great-12.2 15.6 8.2 2.71 2.21 122 in morning; Fine; partially cloudy. Mean daily 10.5 7.0 9.7 3.0 8.0 9.5 Overeast generally. Of the Dew Point. Mean 26.7 0.68 8.7 30.2 Overcast afterwards. De-parture from Average 30 6.6 2.1 C. F. + + + + TEMPERATURE. 6.98 42.5 20.3 9.8 48.3 45.3 Registered Sun above Sunshine, Horizon, in hours, in hours. 6.9 00 9.11 9.11 11.7 Sum 81.0 Of the Air. 11.4 2.11 Daily 14.5 20.2 0.8 22.3 15.2 F. 91 9.9 0.0 Sum 28.1 37.6 Low-8.68 38.8 4.07 est. 0 9 0.79 est. P. in morning; and v. P. after-F. till 7h. A.M.; w. P. in merning; w. P. in morning; v. P. in morning; m. P. generally after-wards. w. P. till afternoon; (For explanation of symbols, see Note.) ELECTRICITY. n P. till 7h. A. V. P. atterwards. 29.408 m. P. generally Dec. S. S. W. 14 15 11 15 14 MONTH AND MARCH. 1890 No. of Col. DAY. THURS. MARCH. DATE. MERANS TUES. WED. MON. FLN. YMDIND. FRI. BAT.

WEEKLY RETURN

DEATHS AND ΙN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office. AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 12, 1890, Vol. LI.

WEEK ENDING SATURDAY, MARCH 22.

Price 11d.

General Register Office, Somerset House, 24th March, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.7 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending	9	22 P. M. M. 1883	,	1,18	Weeks	ending	5
Towns.	Mar.	Mar. 8.	Mar. 15.	Mar. 22.	Towns.		Mar.	Mar. 8.	Mar. 15.	Mar. 22.
Birkenhead	22.3	22.8	14.4	18.4	Liverpool -	-	29.5	30.2	26.0	23.2
Birmingham	23.1	27.8	23.8	21.0	London -	-	21.3	22.3	20.9	19.3
Blackburn -	36.3	38.8	35.9	28.3	Manchester		40.8	45.6	35.9	30.5
Bolton -	43.7	40.1	37.8	26.6	Newcastle-on-Ty	ne	28.5	29.4	29.4	24.3
Bradford -	34.9	32.7	24.1	24.1	Norwich -		29.0	25.2	24.1	16.4
Brighton -	18.1	20.7	20.7	17.7	Nottingham	-	21.3	21.9	19.4	19.6
Bristol -	27.2	26.5	26.0	24.2	Oldham -	-	30.9	26.3	19.2	27.4
Cardiff -	16.5	19.2	20.9	23.6	Plymouth -	-	23.8	31.1	27.1	21.2
Derby -	24.8	22.2	24.8	17.1	Portsmouth	-	22.3	22.6	21.2	25.9
Halifax -	29.9	35.0	29.9	26.1	Preston -		43.1	38.7	27.8	25.8
Huddersfield				24.3	Salford -	-	28.8	33.1	22.4	22.8
Hull	21.5	22.7	22.2	25.1	Sheffield -	-	35.1	38.7	33.4	28.0
				26.2	Sunderland	-	26.4	24.4	26.4	18.3
Leicester -	17.9	22.6	20.3	14.5	Wolverhampton	-	35.6	39.4	21.9	28.8

The highest annual death-rates, measured by last week's mortality, were :--from whooping-cough, 1.9 in Salford, 2.2 in Bristol, 2.7 in Bolton, and 4.2 in Brighton; from measles, 1.2 in Liverpool, and 1.6 in Derby; and from scarlet fever, 1.3 in Wolverhampton. The death-rate from "fever" did not reach 1.0 per 1000 in any of the twenty-eight towns. The 43 deaths from diphtheria in these towns included 23 in London, 3 in Liverpool, 3 in Birmingham, 3 in Manchester, 3 in Salford, and 2 in Sheffield. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2534 BIRTHS and 1637 DEATHS were registered. Allowing for increase of population, the births were 306, and the deaths 231, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 22.3 and 20.9 in the two preceding weeks, further fell last week to 19.3. During the first twelve weeks of the current quarter the death-rate averaged 24.0 per 1000, and was 1.3 per 1000 above the mean rate in the corresponding periods of the ten years 1880-89.

The 1637 deaths included 45 from measles, 11 from scarlet fever, 23 from distributions 75 from scarlet fever.

diphtheria, 76 from whooping-cough, 7 from enteric fever, 14 from diarrhœa and dysentery, and not one from small-pox, typhus, any ill-defined form of continued fever, or cholera; thus, 176 deaths were referred to these diseases, being 45 below

the corrected average weekly number.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

61202.—12. 610.—3/90. Wt.

No death from small-pox was registered, the corrected average being 10; 7 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The cause of death of a child, aged 10 months, in Battersea, was certified as "chicken-pox, erysipelas." The deaths from measles, which had been 35 in each of the two preceding weeks, rose last week to 45, being, however, 8 below the corrected average; 6 belonged to Paddington, 3 to Pancras, 6 to Islington, 3 to St. Luke, 3 to Bermondsey, 6 to Lambeth, and 3 to Battersea sanitary areas. The fatal cases of scarlet fever, which had been 14, 12, and 18 in the three previous weeks, declined again last week to 11, and were 12 below the corrected average; 2 belonged to Hackney and 2 to Shoreditch sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1124 scarlet fever patients at the end of the week, against numbers declining from 1609 to 1153 in the eleven preceding weeks; 87 cases were admitted to these hospitals during the week, against 88, 53, and 76 in the three preceding weeks. The deaths from diphtheria, which had numbered 24, 19, and 25 in the three previous weeks, declined again last week to 23, but exceeded the corrected average by 8; 3 belonged to Kensington, 3 to Pancras, 2 to Hackney, 2 to Shoreditch, 4 to Bethnal Green, and 2 to Poplar sanitary areas. The deaths from whooping-cough, which had fallen steadily from 115 to 86 in the five preceding weeks, further declined last week to 76, being 12 below the corrected average; 6 belonged to Islington, 4 to Shoreditch, 5 to Bethnal Green, 5 to Mile End Old Town, 5 to Poplar, 5 to Lambeth, and 4 to Greenwich sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 12, 9, and 14 in the three previous weeks, were again 14 last week, being 1 below the corrected average.

The deaths referred to enteric fever, which had declined from 12 to 3 in the five previous weeks, rose again last week to 7, being, however, but half the corrected average; 3 belonged to Battersea sanitary area. The Metropolitan Asylum Hospitals contained 69 cases of enteric fever, and not one of typhus, on Saturday last; 12 cases of enteric fever were admitted during the week, against 9, 8, and

10 in the three preceding weeks.

The deaths primarily attributed to influenza, which had been 23, 24, and 11 in the three previous weeks, rose again last week to 17, of which 6 occurred in the South, 5 in the North, and 4 in the West groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had numbered 510 and 447 in the two preceding weeks, further fell last week to 381, being 121

below the corrected average.

The death of a female was registered in St. George Hanover Square district, whose age was stated to be 100 years, the assigned cause of death being "senile

decay."

Different forms of violence caused 49 deaths, concerning all but one of which inquests were held. Of these 49 deaths, 5 were cases of suicide, and 2 of murder or manslaughter, while the remaining 42 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 6 by burns or scalds, 1 by poison, 3 by drowning, and 14 (including 9 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3322 births and 2083 deaths were registered, corresponding to annual rates of 30.1 and 18.9 per 1000 of the estimated population. the Outer Ring 23 deaths from whooping-cough, 12 from measles, and 8 from diphtheria were registered. The deaths from whooping-cough included 5 in West Ham sub-district, and 3 in that of Croydon. Six deaths were returned from measles in Croydon sub-district, and 2 each from diphtheria in Bromley, Hillingdon, and Leyton sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.30 ins.; the lowest reading was 29.02 ins. on Sunday evening, and the highest 29.61 ins. at the end of the week. The mean temperature of the air was 43°.3, and 1°.9 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Wednesday and Thursday, while it was in excess on the other days of the week, the warmest day being Sunday. The general direction of the wind was South-Westerly, and the horizontal movement of the air averaged 11.9 miles per hour, which was 1.0 mile below the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of 0.81 of an inch. The duration of registered bright sunshine in the week was 21.5 hours, against 22.6 hours at Glynde Place, Lewes. was 21.5 hours, against 22.6 hours at Glynde Place, Lewes.

-				-				-		-		-	-	-			-		-		_	_				-										7
		CILIES	AND BOROUGHS.	Cols.	-	- 28 Towns.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL	WOLVERHAMPION	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	Rorron.	MANCHESTER.	SALFORD.	ULDHAM.	PRESTON	HUDDERSPIRED.	HALIPAX,	Reangon	LEEDS LEEDS	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDINE.		EDINBURGH.	GLASGOW.	
	ALL.		in Centi- metres.	24.	1	1.37	5.06	4	1 1	1.57	0.48	0.26	1	i	1.35	1	1	1.73		,		1	, ,		•	7 6-1	ET. 7		2.11		1	8		2.03	1.35	
ı	RAINPALL.		.sədəni n	23.	-	0.54	18.0	1	1 1	29.0	0.19	0.55		1	0.53	ı	1	89.0	1	*	8	ı		1 1	•	1	0.40	1	0.88	3 .	1			08.0	0.38	3
=	AIR.	. i	.entigrade.	22.	Ė	2.20	86.9	1	1 1	5.85	68.9	19.5	1	. 1	5.56	i	1	19.9	1	1	ı	1			6	000	0.33		4.58	3 1				5.75	6.11	
	OF THE	Mean	.tiednerda	21.	İ	6.11	8.8	ı	1 1	25.2		8.0	1.	1	0.7	1	1	42.1	ï	i	1	1	,	8	1		41.6		40.0	1 1	1			42.3	48.0	2
	ATURE	*31	Lower	20.	1	25.0	6.18	1	1 1	32.5	32.0	29.6	- 1	.1	32.0	1	,	85.8	1	- 1	1	1	3				35.0	0 1	0.36	2 1			-	31.5	30.2	-
	TEMPERATURE OF THE AIR.	.18	Higher Howes	19.	Ť	- ·	20.1 8		1 1	52.6 3		55.4	,	1	57.8 3	1	1	55.3 3	1	1		,		1	8 1		0	8 1	-	_	1 1		8	0.69		-
	80	aths	Joles 6-12.	-		3.0		9.4	0.0	-		2.5	1.4	0.0		9.8	0.0		4.1	1.7	2.4	F. [1.3	0.0	0.0	-	6.0	0.0	_		10.0	000	0 1	-	7.00	-
Annual Eate	correspondin	Week's Death	Causes.		1	1	22		16.4			00	0.13	14.2	9.61	17.1			50.0					8.62				7.07	_			0.47	_	4.9	8.22	200
, A		13.89	office assured the state of the	-		76 21	4 19	1 17.	16 20	- 21	1 24	- 28.	0 21	1 14	- 13	- 17	1 18	**************************************	207.	ි ග	4 22	3 27	2 .	-	1 0		-		_	4 -	-	10	-		26.29	
	-	.81	Public	15. 1	1.	795 7	1 90	ତ୍ୟ ଦ	ە تە	00	21	0	44 1	9	19	1	4	55 1	4	61 1	15	12	12	- 0	9 0	0	14	2 :		77	P 0	2 5	2	.9%		-
	-		aaO tasupu. ii adtasQ	-	-	239 7	15	1 .	₹ c:	0 00	4	H'	13	9	20	1	-	21	67	14	00	9		ဖခ်	1 -		10	13	ייני	- 0		-	63	•		B
	ıde	1	· Joienee.	13.	-	123	49	1 -		-	က	H	12	67	ေ	1	-	20	7	90	-	67	-	0.1	1	1	7	4	23 1	٦,	4	47	-	01	0 -1	20
П	The DEATHS registered in the Week include		.emdrrai(12.	-	34	14	1	1 1	1	67	7.	-	1	-	ı	1	-	1	1	တ	H	-	-	1	1	-	-	63	H	1	1	63	j.	မ် တ ၊	1
	be We		·1949.	11		22	-	1 1		()	1	1.		. 1	1	1	1	91	1	H	တ	1	1	1	1		ı	<u></u>	н:		-	-	1	0	3	64.
	red in t	from	Vhooping-	10.		141	94	10		_	10	-	63		-	-	1	10	9	00	6	63	1	1	1	1	1	4	63	20	8	1	1	=	12	4
	register	Deaths from	Olphtheris.		1	43	23	1	1 1	1	. 1	1	00	1	-	-	1	8	H	00	9	1	-	1	1	1.		1	C1	-	-	1	-		# 10 ·	-
	EATHS		carlet. Fever.	× ×	1	44	11	-	1 1			6.3	61	1				တ	64	, 70	က	-	7	1	1	1	1	_	20	0.3	1	8	_	-	1 63	\$ c
	The Di		leasles.		1	79	45	1	1 1	_			9	1	-	63	1	14	-	03	1	•	-	*	-	1 :	<u>ه</u>			-	-	-	-	-		9
	-	1	mell-pox.	_ =	-	-	-	1	1 1							. ~	_	-					~	-41	9	-78					63	-		=	1 1	-
		Deaths of	Age. ersons aged 60 Years od upwards.	d	-	2 1001	419	-	17	1 01	34	12	46	_			_			47		-	18	14	7	- 14	26	_	-	25	-		_	-	8 5	-
		Dec	tabau stasl lo tasy l	u] 4		862	381	6	16	_	24	101	85	18	_	_		69		7.67	_	-	_	15	_	_	17	26		-			15	-	27 88	-
	during	ending.	DEATES.	•	1	4051	1637	42	17	30	108	46	186	43	66	9 00	37	846		000	106	111	67	52	44	#	111	183	179	103	48	26	53	907	278	808
AABUB	Registered during	the Week ending	BIRTHS.	- 0	1	5710	2534	62	128	27 5	27.	43	001	107	305	T P	99	204	72	676	136	84	22	95	42	55	113	226	176	119	16	122	06	202	388	196
	_	Z		-	1	9,715,559	4 491 661	123.659	142,952	95,352	78,780	83.406	200 200	461,865	154,844	244,909	100,8/1	610,019	115.816	040 497	949.509	146.716	123,558	105,163	94,253	82,034	240,515	863,799	332,637	213,833	136,506	162,987	117,012	Ohy year	680,208	353,082
					Cols.	•	٠		•	•		TON			• •							•	•	•	. 93	•					•					,
		CTTTTCR	AND BORUCGES.			28 TOWES		LONDON	PORTEMOUTH	NORWICH .	PLYMOUTH .	BRISTOL	WOLVERBAR	BIRMINGHAM	LEICESTER .	Nottingham	DERBY .	BIRKENHEAD	DOLLOW .	TOTTOT I	SATEORD .	OrnHAM .	BLACKBURN -	PRESTON .	HUDDERSFIELD	HALIPAX .	BRADFORD .	LEEDS	SHEFFIELD .	HOLL .	SUNDERLAND	NEWCASTLE .	CARDIER .	-	-	DUBLIN .
		-																																M '	2	

Table 2. LONDON.—Births and Deaths Registered in the Twelfth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2584	2640	2559	2466	2665	2537	2731	2671	2522	2670	2840·1	2534
	1342	1313	1284	1250	1342	1271	1384	1397	1284	1404	1447·1	1283
	1242	1327	1275	1216	1323	1266	1347	1274	1238	1266	1393·0	1251
TOTAL Deaths Males Females .	1505	1516	1827	1887	1588	1734	2141	1720	1655	1554	1867·6	1637
	766	818	884	941	799	869	1067	860	835	762	937·9	850
	739	698	943	946	789	865	1074	860	820	792	929·7	787

^{*} The numbers in this column are the average weekly numbers in the twelfth weeks of the ten years 1880-89, raised by 9.046 per cent, for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TOTAL Births TOTAL Deaths 120-40	28. 1815	2961	Jan. 11. 2818	Jan. 18.	Jan. 25.	Feb.	Feb. 8.	Feb. 15.	Feb. 22.	Mar.	Mar.	Mar. 15.	Mar. 22.
Total Deaths			2818	9714				-					
0-20 years -	1690			2117	2510	2699	2707	2793	2702	2561	2536	2717	2534
20-40	- 1	2371	2747	2720	2227	1849	1749	1809	1847	1802	1889	1771	1637
Ages at 40-60 ,, - 60-80 ,, - 80 years & upwards	651	834	939	909	775	703	714	763	753	739	798	776	729
	220	346	367	450	849	282	238	218	256	234	226	196	193
	332	541	670	666	510	369	334	357	363	324	348	303	296
	396	552	640	576	503	390	363	390	374	418	428	404	342
	91	98	131	119	90	105	100	81	101	87	89	92	77
** \begin{cases} \text{Under 1 year} & - \\ 1-5 & - \\ 5-20 & - \end{cases}	326	398	430	415	386	350	372	352	393	367	394	392	381
	232	310	375	344	294	250	254	306	259	263	294	271	270
	93	126	134	150	95	103	88	105	101	109	110	113	78
Deaths from Small-pox ,, Measles ,, Scarlet fever , Diphtheria ,, Whooping cough ,, Typhus , Enteric fever , Simple Conta fever , Diarrhoa and , Dysentery ,, Cholera	29 14 26 67 2 13	- 36 15 32 98 - 12 -	24 13 26 112 - 11 1	24 22 22 22 104 1 1 6	21 10 22 82 1 10 -	11 14 24 67 9	8 19 24 91 - 2	21 14 89 115 - 12 1 6	1 14 13 27 103 - 8 1	- 19 14 24 97 - 7 1	95 12 19 95 - 4 1 9	35 18 25 86 - 3 1	- 45 11 23 76 - 7 - 14
" " all the above- mentioned Diseases	170	203	199	193	160	134	148	208	188	174	175	182	176
" " Dis. of Respira-} tory System { " " Phthisis - " " Dis. of Circula-} tory System }	467	843	1069	1010	736	550	485	439	452	492	510	447	381
	180	247	267	312	239	220	209	215	218	224	206	164	169
	158	222	275	209	193	116	154	143	162	146	163	145	148
Violent Deaths Inquest Cases Deaths in Public Institutions	47	91	55	65	60	62	58	56	77	52	65	76	49
	121	195	192	171	142	127	125	137	143	134	120	162	115
	400	494	534	626	491	471	401	436	434	425	406	390	406
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	39·8	32·8	47·6	45·5	42·7	42.9	37·1	35·9	39·4	35·4	36·4	45·3	43·3
	44·0	36·7	52·4	50·6	48·4	48.3	42·7	41·7	43·9	42·0	43·6	54·0	52·0
	35·2	28·5	43·0	39·4	36·9	38.2	32·0	30·8	35·9	30·4	29·0	37·6	36·0
Humidity of the Air	90	97	89	86	84	90	89	87	89	87	69	79	82
Rain-fall in inches	0·61	0·11	0·40	0·13	0·77	0·73	0·05	0·88	0·04	0·22	0·33	0·24	0·81
Registered Sunshine (in hours)	3·2	5·0	10·1	7·3	14·9	8·9	9·5	31·2	12·4	9·7	12·1	28·1	21·5

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottings, J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

M 3

TABLE 4. LONDOY .- DEATHS Registered at several groups of Ages from different Causes in the Twelfth Week of the Year 1890.

						. WE	LET	H	v ee	of the Year 1890.									
	for the 10 years		Satur	the	22n	d M	arch	_	Pear		for the		Satu	in the	22nd	eek e	nding reh l	890.	
1	of the 10-89.		D	eaths	of P he A	ges	ns of				ages for		D	eaths t	of P		ns of		
CAUSES OF DEATH.	A 188	ES.	J	Inder 20.	-	under 40	under 60	under 80.	s and	CAUSES OF DEATH.	Averages eks of the 1 1880-89.*	*	-	Jnder 20.		under 40.	under 60.	under 80.	and 8.
	Corrected 12th Wee	ALL AGES	0-1.	1-6.	5-20.	and	40 and un	and	80 Years upwards.		Corrected 12th Week	ALL AGES	0-1.	1-5.	5-20.	and	and	and	Years upwards.
ALL CAUSES	1867.6!	Y -	1 1	1	18	193	1 7 5	342		Diametric Co.		4	÷	- 1	10	08	\$	9	08
(Vaccinated) -		-	-	-		-				Diseases of Organs of Special Sense †}	2.1	3	-	3	-	-	_	_	
Small- pox Unvaccinated No Statement	} 10·3	-	-	-	-	-	-	-		Diseases of Circulatory System }	134.6	148	4	2	9	18	42	64	9
Measles Scarlet Fever	53°2 22°8	45	9	82	3	1	-	-		Croup	12.1	12	3	8	1	-		_	
Typhus	1.0	-	- ,	-	н	-	1,-	-		Bronchitis Pneumonia	312'9 312'9	229 107 4	61	39 29	5 1	9 22 2	36 16	67 15	14
Relapsing Fever †	0.0	17	1	-	1	2	6	6	1	Pleurisy Other Diseases of Respi- ratory System }	6'3 44'5	29	5	5	1	3	7	8	
Whooping-cough -	88.0	76	28	47	1	-	-	-	-			-				-			
Diphtheria	15.3	23	H	17	5	1	-	-		Dentition † Quinsy, Sore Throat † - Enteritis	20·3 2·8 7·2	15	8 - 2	7	1	1	9	-	-
Simple Continued and Ill-defined Fever -	13.8	7		1	4	-		-		Peritonitis Diseases of Liver	7°2 6°4 31°5	7 4 21	1	-	2	2.4	1 9	8	
Enteric Fever	0.5			-	*	2	-	-		Other Diseases of Digestive System	33.3	21	5	-	2	8	8	6	2
Diarrhea, Dysentery -	15·2 0·4	14	10	1	,	-	-	2	1			-	-				-		-
Remittent Fevert Hydrophobia	0.1		-	-	_	_	-			Diseases of Lymphatic System & of Duetless	1.1	5	-	-	i	1	3	-	-
Glanders	0.0		-	-	-		-	-		Glands †)		-	_		-			_	
Cowpox and Effects of \ Vaccination † \	0°4	li.	"		-	-	-	-		Diseases of Urinary	43*8	29	-	1	1	1	9	16	1
Venereal Affections - Erysipelas	10.4	12	9	1		1	-	1 8	1			-	-		-	-	-	-	_
Pyzmia and Septiczmia †	2.8	2	1	1	-	-	-	-	-	Diseases of Generative	6.4	7	-	-	-	4	8	-	
Puerperal Fever Other Zymotic Diseases †	3.9	2	1	-	-	2	-	-		Accidents of Childbirth -	4.4	-	-	-	_	_	-	_	-
					_	-		-		Diseases of Locomotive	7.6	10	-	1	2	3	-	4	
Thrush Worms and other Para-1	1.2	2	2		-	-	-	-		System †}			-				-	-	-
sitical Diseases}				_	_	_	1			Diseases of Integumen- tary System}	6.8	5	-	-	-	2	1	2	-
Starvation, Want of	2.1	1	1	-									-					_	
Breast-milk † 5 Alcoholism =	5.8	. 8	-	-	-	1	6	1		VIOLENT DEATHS.\$									
Rheumatic Fever.						_		-		(ACCIDENT.)	90.0	17			,	4	7	2	1
Rheumatism of Heartf	6.8	5	l	-	3	-	2	-	-	Fracture and Contusion Gunshot Wound Cut, Stab	20.8 0.1 0.4	-	=	2	1	-	-	-	-
Rheumatism † Gout	3·2 2·8	1		-	-	-	1	3	1	Burn and Scald Poison	7.0	6 1 3	-	2	-	-	1 -	2 -	1
Rickets†	6°2 54°0	7	2	5	-	-	-			Drowning	4·9 15·6	14	9	3	ī	2	-	1	-
Cancer Tabes Mesenterica -	22.2	65 20	11	5	3	7	35	22	1	Otherwise	2.6	1	1	-	_		-	_	-
Tubercular Meningitis -	32.3	22	8	9	3	2	-	-		(Homicide.)									
Phthisis Scrofula, Tuberculosis -	186'4	169 22	1 8	8 10	10	74	59	17		Murder & Manslaughter	1.3	2	2	-	-		-	-	-
Other Constitutional }	12.1	18.	1	1	2	3	8	3		(Suicide.)									
1 1 1 1				-		-		-		Gunshot Wound Cut, Stab	0.4	ĩ	-	-	-	-	1	-	-
Premature Birth Atelectasis +	39.3	42	42 2		-	-	-	-	-	Poison	1.0 5.1 0.8	2 -	=	=	-	ī	1	-	E
Congenital Malforma-	9.6	7	7			-	-		-	Hanging Otherwise	1.0	2	-	=	-	=	1 -	1 -	E
Old Age -	65.6	56			_		_	23	33				-		-		-	-	
Apoplexy	49°2	1	Ţ			-				(EXECUTION.)									
Epilepsy	6.0	41 5	1	-	-	2	11	24	3 -	Hanging	0.3		-	_	_	_		-	-
Convulsions Other Diseases of Brain)	55°2	43	45	3	-	-	H	-		OTHER CAUSES †	62.7	60	53	1	-	2	1	8	1
Other Diseases of Brain } and Nervous System }	102.6	109	17	1,9	6	5	22	34	6	0.00.00									
The numbers in this				-									-			_			-

the numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9°046 per cent. for increase of population. as the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used. hose cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When redical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered has evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, marder, slaughter, or suicide. All such cases are classed under "accident or negligence."

^{61202.-12.}

Table 5. LONDON.—Population; discus; Deaths from all Causes, and from Small-pox, Measles. Starter during the Week ending

	1						Mho	Dwa	mere w	ogisto	red i		Wee	_			-	6
				Dont	hs of		1110	DEA	THE	Death								
REGISTRATION	Enume-			Doal						i					1		Publie ns.	uses
SUB-DISTRICTS.	Fopu-	BIRTES.	DEATER	under f Age.	aged 60			Vor.		-cougi		Fever	con-			ases.	n Pu	d Ca
SOB-DISTRICTS.	1881.				ns s	I-pox	. 101	et Fe	heri	ping	.80	70	le co	rhos	nee.	est C	hs i	rtiffe
		Total	Total	Infants Year	Persons Years	Small-pox.	Measles	Scarlet Fever.	Diphtheria	Whooping	Typhus.	Enterie Typhoi	Simple e	Diarrhea	Violense	Inquest Cases	Deaths in Pu	Uncertified Causes
on the 1 mates desire produce and continued to the discount of the continue was an expension			- COI			_		11.			_		240	14	49	115	406	1
FONDON	3,815,704	2534	1637	381	419		45	1	23	76	-	7		4	6	11	84	-
WEST DISTRICTS	905,947	377 559	283 375	58 89	84 103	-	9	7	. 8	13	-	2	-	4	10	27	79	ľ
CENTRAL DISTRICTS	282,288	144 515	312	25 90	17 70	7.00	6	2	2	5 22	- 2	-	-	1	6 13	8 89	40 89	- 40
EAST DISTRICTS - SOUTH DISTRICTS - HOSE	692,738	939	548	119	145	-	15		3	25	-	4	: = ,	5	14	80	113	10
METROPOLITAN ASYLUM 105 PITALS OUTSIDE REGISTRATION		-	1	-			-	1_	-		_	-	-	=	-		- 1	-
LONDON	80000	58	30	8	7	-	6	`		2	-	_	_	-,	-1	1	3	
St. John Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	0,000	7	17	3	5 16	-	-	_	1	3	-	1	_	1	2	1 2	9	
Kensington Town Ww - W.M. & C. Brompton H - W.M. & C.	120141 48010	59 12	11	1	8	-	1	-	1	-	- 1	-	-	-	-	-	3	F
St. Peter Hammersmith St. Paul Hammersmith Fulham Weow W.M. & C. J. W.M. & C. J.	7599 64340 42900	56 47	30 33	9	9	-1	-	ī	ī	3	7	-	, =	1	2 m 12 c	2	8	-
Chelsea South HHH - C.	30396 24925	14 12	12 25	2 4	5	-	-	-	-	1	-	-		-	ī	3	2 14	
Chelses North-east	32807 30853	29	6	1 -	5	-	1	-	-	-	-	-	-	1	î	- - 1	3	
Relgrave WHHH - C.	59220 85496 24679	32 18 12	26 12 8	5 2 2	8 5 1	-	-	=	=	2	-	=	-	-	î	1	14 2 2	
St. James Westminster H - C. St. James Westminster WHH N.R. &G.J. St. Anne Soho HHHHHHHH - N.R.		8 5	5 5	2	3	-	-	-	-	-	-		-	-	-	<u>-</u> 7	-	1
NORTH DISTRICTS.			12		2	_								_	- 1			
All Souls Marylebone HHHHH W.M. Cavendish Square HHHH W.M. Cavendish Square WH G.J. & W.M.	26759 14891 24809	8 3 12	1 11	2 - 2	8	-	-	= .	-	-	-	-	-	1	1	1	6 - 2	
All Souls Marylebone HHHHHH W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christohurch Marylebone HH - W.M. dt. John Marylebone H - W.M.	21118 83700	31 21	5 10	3 8	1 1 2	=		=	_	2	-	-		-	1	2	7	F
Hampstead WwwHHHH N.R.&W.M.	33633 45452	10 29	18 22	2	8	-	-	1	2	-		1	1.	-		2	. 5	
Regent's Park Pancras H W.M.	89115 27729	20 12	10 16	2,	2 2 3	=	-	-	-	1	-	-	-	.1	-	1	5	ľ
Somers Town H N.R.	30247 84369 17811	16 16 10	14 12 13	8 5 1	8	Ξ,	2 -		1	2 -		=	-	-	-	1 1 8	1 11	
Kentish Town W N.R.	87487 67946	66	29	8 11	10 11		1 -	-	100	3	-	- 2	, =	1	2 2	8	3 20	
Islington South-west HH - N.R. Islington South-east 5 - N.R.	100976 61825	56 38 24	32 26 19	5 9 4	6 6 10	-	1	1	-	3 -		-	-	ĩ	1	1 2	1 -	
Stoke Newington H N.R.	52048 22781	15 10	7 8	2	2 2		-	-	-	-	-	-	4	-	1:	1	-	
Stamford Hill E.L. West Hackney H N.R. Hackney WwwwH - E.L.&N.R	9277 87610 76911	28 64	17 50	2 7	17	=	=	1	1 3	1 -	-	-	-	- :	=	2 2	1 20	
South Hackney E.L. CENTRAL DISTRICTS.	39883	28	10	8	8	-	-	-	-	1	-	-	-	-		ī'	-	
St. George Bloomsbury - N.R. St. Giles South WH N.R.	16681 14864	8 15	12	4	2	-	-	-	-	-	-	-	-		-		6	
St. Martin-in-the-Fields HH N R. & C.	13837	7	3	1	1 -	-	-	-		-	-	-	-	-	1	1	2	
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	1 1	6 4	2	- 2	-	-	-	-	:-	-	-	-	-	-	1	5	
No theo the Martyr HHHHHHH N.R.	18671 10706	5 11	14	3	4 2	-	-	-	1 1	1	-	-	-	-	-		5	
St. Andrew Eastern W N.R.	6538 17516	1 9	3 4	1 -	1 -	-	ī	-	-	1 1	-		1 1 1		-	-	2 -	
		12 13	8 4 2	8	-	-	1	-	-	-	-	-	-	-	=	1,1	-	
Oid-street H N.R. City-road HHL N.R.	11541 18628	9 14	5	2 2	2	-	-	-	1	=	-	=	-	-	-	-	ī	
Whiteoross-street N.R. Finsbury - N.R. Holborn Union Workhouse, Mitcham, w.		9 1	8 -	1	1 -	-	1 2	-	-	1	5		-	-		1 -	-	
St. Botolph H . N.R.&E. 1.	11174	5 2	2 2	1 -	-	-	-	-	-		-	-	-	-	1-	-	-	
Cripplegate N.R. St. Sepulchre H N.R. St. Bride W N.R. Allhallows Barking N.R.	5358 8396 13666	4 2	16	ĩ	-	2	-	-	1	-	-	-	-	-	4	4	14	
Broad Street H N.R.	5652	li	1 1	-	1	=	-	-	-	-	-	-	-	=	1 -	1	-	

NOTE.—The Italie letters placed against the names of the sub-districts denote Publis Institutions situated therein, namely: W—Work house; H—Hospital: L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishmer receiving immakes from other Destricts than that in which it stands, (see note at the toot of next page). The Roman capitals signify the Wate Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Cheisea; S. Southwar and Vauxnall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

EVER, DIPPUTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sue-district turday, 22nd March, 1890.

turday, 22nd March, 1890.																		-
							Th	e De	ATHS	regis	tered	in the	Wee	ek inc	lude ·			
	Enume-		-	Dea	ths of	_				Deat	as fro	ng.				T	1	1.0
REGISTRATION SUB-DISTRICTS.	Population,	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fever.	Simple con-	Diarrhea.	Violence.	Inquest Cases,	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS. Leonard Shoreditch - N.R. & E.L. Leonard Shoreditch HL* - N.R. otton New Town w N.R. otton Old Town N.R. aggerston WH N.R. & E.L.	7376 14967 29937 28036 46275	5 10 21 21 42	3 10 21 11 19	1 2 6 2 10	1 2 10 1 4	1111	2 :	11111	1 - 2	1 2 1 -	1111	1111	1 1 1 1	211111		3 1 3	2 8 7	1
ethnal Green North H - E.L. ethnal Green South E.L. ethnal Green East WHL^* - E.L.	51157 34399 41405	54 24 33	18° 9 27	7 · 4 · 5 ·	1 - 9	7 - - -	ī	1	1	3 - 2	-	111	111	1.7	- 1 -	2 1 -	17	111
pitalfields - E.L. & N.R. ile End New Town W - E.L. & N.R. vilgenapel Church H E.L. & N.R. sodman's Fields E.L. idgats N.R. & E.L.	22585 15478 17490 9718 6102	25 15 12 3 2	5 9 15 1 3	3 5 - 1	2 1 1		1111	7 1-1 1	1111	11111	11111	11111	11,11	11111	3 -	1 4 -	5 11	1111
t. George's, North E. L. t. John, St. George East W - E. L. hadwell H E. L. & N.R. ateliff E. L.	88747 8410 10895	24	- 11 8 11	3 1 5	2 4	-	- · ·	- 1	11	1	1. 4.4	-	-	1	1	2 - 2	6	-
ile End Old Town West H - E.L.	16107 32041 87960	8 16 28	4 8 17	3 5	4		T.	1	7 -	2 3	-	. =	-	- 1	7	-	3	-
ile End Old Town East $WwwH-E.L.$ ow L^{\oplus} E.L. fomley $vvwWH-$ E.L. oplar WWH E.L.	87074 64359 55077	51 22 50 39	30 13 29 30	3 5 4 13	9 8 12 8	- 11	1 1 -	1 111	1 2	1 -4	1 1 1 1	1117	111 111	111/11	1 2 3	2 4 5 8	9 3 17 1	2 -
SOUTH DISTRICTS. Saviour Southwark WH L. & S. Saviour Southwark S. sat-road WH S. & L. brough-road WH S. & L. inity Newington - S. & L. Peter Walworth W - S. & L. Mary Newington - L. & S. Mary Newington - L. & S.	13663 14999 21381 15953 21318 26672 59555 21623	1 12 14 11 17 20 48	9 4 5 8 6 17	- 2 - 2 3 3 6 2	0 0 00 00 00 0 0 0	firfiri	2	1111111	1111111	1 2	1111111	1111111	1111111	11111	111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 - 2 - 6	11111111
Olave WH 8, & L. sather Market 8, & L. Mary Magdalen W 8, James Bermondsey - 8, blerhithe WH 8, & K.	11956 16300 15669 54682 86024	8 14 15 41 27	11 5 14 29	1 - 5 8	2 - 1 1 7		3 1	1111	11111		10111		, in the	1	2	2 - 1	8 -	11111
$\begin{array}{llllllllllllllllllllllllllllllllllll$	15195 16351 19876 39859 45282 35332 62837 19017	12 19 16 30 30 14 84 15	7 6 10 81 15 5 20 12	1 3 4 5 4 1 10 1	1 3 8 5 3 2	11111111	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	1000000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	1 1 1 1 1 1 1 1	i i (Talana)	1		2 2	1 7 17 -	1 1 1 1
t Battersea	54675 52587 36380 28004 13235 25553	51 63 17 29 12 32	21 37 6 24 4 10	7 4 2 8 1	3 15 2 7 2 2 2	111111	1 2	111111	1	1 5 - 1	11111	2 -	111111		2 3 - 1	3 4 - 2 - 1	iī 5 -	1
	5590 59104 71089 50810	1 41 46 89	38 27 16	2 9 2	14 6 4	111	1111	-	ĩ	3	1	-		7.7	2 1	3 2	18 3	1
Paul Deptford www - K. Nicholas Deptford K. Stawich West H K, Stawich East WHH - K.	76752 7901 21972 24605	74 8 11 21	28 3 10 23	8 1 1 2	7 1 5 5	-	- 1	1.1.1		1 1 - 2	H - H	1			1	1 -	1	1
ham H K. K. Wisham WH K. C. K. L.	5048 21559 19865 26076	3 -41 15 9	6:	-2 1	2 3 2			1.1111	1	2 - 2	1.1.1.1	1 1 1 1 1 1	7.7	1 101.11		2	14	
riton H/I - K. owich Dockyard - K. olwich Arsenal HH - K. mstead, West H - K. mstead, East W - K.	10980 17617 19048 14009 19241	8 5 13 18	4 6 7 5 23	2 1 - 5	1 2 - 6	11111	1111	11111	1.1.1.1		4411		11111	1111	1 1 1 1	- 2 -	- 6	1.
ropolitan Asylum Hospitals: Dartford w Winchmore Hill w	=	-	1	-	± -	-		ī		-	-	-	-	-	1.1	1 1	ī	7.7.7

⁶ following Workhouse Establishments are indicated in the above Table by w (see note at foot of preceding page):-

s following Workstoner Enterhistments are indicated in the above darylebone Infirmary in Kensington Town sub-district.

Solution Infirmary in Upper Holloway sub-district.

Judger Holloway sub-district.

Hoxion Kew Town sub-district.

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district.

Stepney Worknowse in Broming sup-district.

Poplar & Stepney Siok Asylum

Westminster Union Industrial Sence) in West Battersea sub-district.

St. Saviour's Infirmary in Camberwell sub-district.

St. Saviour's Infirmary in Camberwell sub-district, and in District Hosoitasis in Fatinam. Hampstead, Hack-ney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.

Strand and Holborn Workhouses outside Registration London.

Table 6.—LONDON.—OUTER RING. — Arma; Population: Births and Deaths registered during tweek ending Saturday, 22nd March, 1890.

				Wee	k end	ing S	aturd	ay, 2	and 1	Marc	h, 189	90.						
Regis-		Area						:	The D	EATHS	regist	ered iz	the V	Veck i	nelude			
tration		in Acres,	Enume-			Des	ths of	1	0		Death	s from						
District and	REGISTRATION	inclu- ding	rated Popu-	HS.	DEATHS.	0. H	1 60 rds.		1	1.		ugh.	1				ablie.	Caused
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS	EA	under of Age.	s aged 60 & upwds.	H		Soarlet Fever.	· di	Whooping-cough		3		Inquest Cases	Deaths in Publications.	od C
Num-	r e e	and Fore-	1881.	12		nts	One	Small-pox.	Monsies.	let F	Diphtheria	opin	i.	Uiarrhos	Violence.	lest .	the i	Uncertified
bers.		shore.				Infants Year	Persons Years	Sme	Mon	Soar	Uip	Who	Fever.	Uiar	Viol	nbul	Deal	Une
LON	IDON - OUTER RING	370,924	950,957	788	446	94	126	-	12	3	8	23	1	2	8	24	77	-
	OU LESS MENO	310,025	200,857		390	-		-			-		-	-	-			-
80:1	Carshalton wL - Epsom (part of) WwH	12228 9971	21118 10710	7 5	11	1	1	-	-	- `	-	-	-	-	7	-	10	
87:1	Godstone (part of) * -	2754	1285	2	1	L.			-									
38:1	Croydon WwH L -	20851	101241	61	46	7	18	-	8	3.1	1	. 8	-		2	8	9	
2	Mitcham w†	11697	17982	14	4		1	-	-	1770.00	-	-	\ <u>*</u>	-	•	1	-	
89:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	11	5 16	1 8	8	-	-	-	-	- [- 4	7	
8	Esher (part of) * -	6601	9221	5	1	1	-	-	-	-	-	5	-		-	,	-	
40:1	Hampton H	4573	18539	9	9	1	5	-	-	-	- 1		-			\	-	
40:1	Richmond WH	2272 2941	21302 12331	9	6	8 2	-	-	1 1	1	1	-		-	1.	1	1	
41:1	Bromley (pt. of) * HH	15669	81142	21	10	8	4	-	-		2	1	~		- '	-	1	
2	Chishrst(pt.of)* WHH	14807	15844	10	. 4		1	-	-	₩,		- 1	-		-	77	2	
42:1	Bexley H - * ~ The control of the co	18437	24184	19	8	1 -	1	;	-			-			1	1	1	
124: 1	Sunbury w.	11055	11688	8	2	-	-			_	-		-	1	_	1	-	
2	Staines W	18977	12089	8	8	2	4	**	-	-		-	-,	-	100	-	3	
125:1	Hillingdon WHH - Uxbridge	6029 6178	1080 2 3225	13	7	8	1		-	-	2	-	-		1	1	2	
8	Hayes wHL	14587	11528	3	6	1	2	-					-		-	-	4	
126: 1	Isleworth WHH -	7008	22727	14	13	- 8	8	-	-	-	-	-		- 000	-	-	1	
2 8	Twickenham H Brentford HL	2477 4345	12479 27649	9 27	6	1	2 8	-	-	-		-	-	-	-	4	1	
. 4	Chiswick	1340	15975	17	8	1	1				-	1		1		-	-	
107.03	Acton wH	6088	22876	12	8	8	1		-	-	-	-	-		-	2	-	
127:1	Harrow H Edgware H	13809 6994	12796 3749	4	4	1	1	-	-	_		-	-			-	-	
. 8	Willesden	4383	27458	27	18	3	6	~	1-			2				2	-	
187 : 1	Hendon W	9382 9331	10484	8 +	6	3	: 8		#1	-	-		-	-		70	4	
2	Bushey Watford (W, pt. of) -	9331	0031	3 -	3	_	1		-	`\	-	-	1-			-	1	
198:1	South Min.ms	15899	6891	4	1		_	-		-	-	_	-			_		
3	Barnet	54 88 46 38	10092 17615	4	4	1	-		-	-	1.	1	-		-	-	-	
185 : I	Hattield (part of) * -	3806	588	15	10		2	_						-	- 2-		6	
198 : 1	Hornsey H	8039	37078	29	12	4	2	_				9		1				
2 8	Tottenham H	4649	46456	72	33	11	4	-	2	-	-	2	-		1	2	2	
4	Edmonton Ww - Enfield WH	7488 19653	23468 19104	17 18	17	2 2	4	-	-	. =1	7			-	ż	4	5	
5	Waltham Abbey	11017	5848	6	3	-	3	-	-		,_	-				1 -	2	
190 - 3	Cheshung	8480	7785	8	1			-	-		-	-			4	=	-	
186:1	Stratford	882 4055	38606 90347	36 112	10 58	10	17	-	-	ģ	-	1	-	-	ı 1	- 0	-	
8	East Ham 1010	3296	10706	18	8	4		-	-			5	_	1	-	2 -	-	1
5	Leyton WwL Walthamstow H -	4372 6590	32480 28869	46 85	29 17	7	13	-	-	-	2	1	1	-	-	-	19	
187:1	Chigwell (part of) * H	11761	9669	8	4		3		2	-	-	2	-		-	1		
8	Epping (W, pt. of)	-		-	-	-	-	-	-	-	-	2	-	-	-	-	-	
189:1	Romford (part of) * W	6730 8493	3411 7645	1 8	2	-	1	`	-	, -	-	-	-		-	-	2	
8	Barking Town	4127	9203	13	1	ī	1 -	-	-	-	-		-	-	-	1 3	-	
		1			.1				1	1	1	1	1	1	1			1

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Waringsham and Farley in Godstone su district; 39:3, Esher sub-district, except the parish of Esher (pop. 1263); 41:1, Bromiss sub-district, except the parish of Cadham as aub-district, 187:1, Chigwell sub-district, except the parish of Chelsfield (pop. 247); 135:1, the parish of Northaw in Hatde also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holbern Union Workhouse (see Table 5).

§ Exclusive of deaths of London residents in the Metropolitan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital (see Table 5).

Asylum Hospital, Winchmore Hill (see Table 5).

On 1st January the two parishes of East Ham and Little Head were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 22nd March, 1890.

	Area			L RATE			The Da	ATHS	regi	atere	d in t	he W	oek :	inelud	le	
GREATER	in Acres,	Estimated		0 living.	DEATHS	Deat	ths of				Death	s fro	m			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhos.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		12.	13.	14.	15.	16
ATER LONDON	448,334	5,758.500	18.9	2.0	2083	475	545	-	57	14	31	99	8	16	57	483
NER LONDON - UTER RING -	77,410 370,924	4,421,661 1,336,839	19·3 17·4	2·1 1·9	1637 446	381 94	419 126	-	45 12	11 . 3	23	76 23	7	14	49	406 77

TE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 30.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,214,602 Persons.

	Ponter among				A	DE	EATHS		PRIN	ES.	ZYMO	
CITIBS.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
UTTA	433,219	February 8	_	348	41.9	17	1	-	_	_	85	144†
BAY	773,196	. 25	272	472	25*2	8	12	9		?	149	34†
RAS	398,777	January 24	276	238	31.0	1	9	2	. 5	- P	- 56	39†
19	2,260,945	March 15	1184	1185	27.3	3	25	6	44*	19	7	50
SEELS B Faubourgs.)	. 477,288	, 15	272	218	24.2	-	2	-	1		1	7
TERDAM .	406,402	,, 15	-	100		-	-	1	_	(. <u></u>		
TERDAM -	203,486	,, 15	<u> </u>	1 4 A		-	1		-	_	-	-
HAGUR .	156,497	., 15			-	-	-		- 1	-		-
- MHDAHME	307,000	, 15	200	153	26°0	-	_	. 3	10	3	- See	
KHOLM -	228,218	, 8	162	94	21.4	-	_	. 8	6*	2	1	9
- AIMAITS	138,300	" 15	59	79	29.7	-	8		4	14	~	1
ETERSBURG	924,106	, 1		591	33.3	1	22	31	10	2	8	45
LIN	1,526,887	, 1	886	645	21.9	_	. 3	3	27	11	8	41
BURG(State)	575,276	8	442	295	26.7			2	11*	. 3	4.	8
BDEN	269,250	,, 8	167	148	28.6	-	1	-3	8*	-	1.	5
LAU	324,143	». 15	224	155	25.4		-	3	4*	. 1	-	5
ICH	298,000		240	205	35.8	-	8	-]	9*			20
MA = -	822,176	8	587	475	30.0		7	1	10	3	4	14
TUR	314,425	,, 8	4 1	169	28.0		5	, 2	1	2	3	4
4-Ризти -	463,017	,, 8	354	334	37.5	-	2	2	16		4	22
STE	160,092	,, 15	87	131	42:6				2*	. 1	-	1
1 Sec. 14	409,692	January 11	264	219	27.9		-	-	2	2	6‡	9
m (10 days)-	314,827	February 20	208	227	26.3	-	5	-	2	2	4	14
OE	156,515	March 1	83	81 93	27:0	15	-	-	1			2 8
0	374,838	February 27	372	412	57.3	-	-	-	1	7	25	106
CANDRIA -	231,396	27	320	169	38°1	-	-	-	3*	-	7	30
YORK -	1,595,547	March 1	-1.4	730	23*9	-	10	. 8	25	6	6	13
PELYN -	852,467	, 1		360	22:0		2	. 4	17	2	1	2
ADRIPHIA -	1,064,277	,	-	443	21.7	-	5	3	11	- -	12	3
IMORE -	500,343	, n 1	* //	221	23.0	-	18	2	6	1	2.	3
ORLEANS -	254,000	», 22	- '	146	30.0	7	-	-	2	-	1	14 .

Including deaths from croup.
 Including 109 deaths from cholera in Calcutta, 7 in Bombay, and 2 in Madras.
 Including 2 deaths from malarial fever.

TABLE 9.-METEUROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, March 22nd, 1890. [Under the Superintendence of the Astronomer Royal.]

the third of the tensor of the	(column 8). The mean daily dew point temperature and degree of hundity are defluced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-metrical Tables. The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 30 years ending 1868, and that of horizontal movement of the air from a discussion of the amenometric records for the 16 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and "the surface, at the end of one of the Jimmes are suspended at a depth of two feet below their treatings are registered by the Olerk of the Market, under instructions from the surface, at the end of one of the jettles of the Foreign Cattle Market at Deptford, and Corporation of London. The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—F. positive; N. negative; w. weak; m. moderate; s. strong; and The regard duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the oil lay, or from midnight to midnight to midnight to the premining of the weak, the strong the	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each 64y. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight, of the barometer decreased from 39.27 in, at the beginning of the week to 29.02 in. The reading of the barometer decreased from 39.27 in, at the beginning of the week to 29.02 in. The Sh. on the 18th increased 10.29.33 in. by 9h. P.W. on the 77th of conceased to 20.33 in. by 9h. P.W. on the 18th of 20.33 in. by 9h. P.W. on the 18th of 20.33 in.
TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TO 38.5 TO	y mean daily dew point temperature and degree of humidity are deliables. Alones deliable degree of humidity are deliables. In mean daily values of the dry and wet bulb thermometers by Glaisher's Hables. Terrage temperature of the air is that derived from a discussion of the photogrande at Greenwich during the 20 years ending 1885, and that of horizontal move from a fiscussion of the anemometric records for the 16 years ending 1875. Alm the average. From an expension of the anemometric records for the 16 years ending 1875. Alm that the average. From the columns 9 and 26 it will be borne in mind that + indicates "higher," than the average. From the end of one of the jetties of the Foreign Cattle Market at Deptford dings are registered by the Clerk of the Market, under instructions from on Chondon. From the column 29, derived from Thomson's self-registering Electrometer, employed are :—P. positive: N. negative: w. weak: m. moderate; s. strong made duration of bright sunshine on each day. The column 29, derived from the Campbell-Stokes Sunshine Instrument, satts of all the mercerological observations are to be understood as applying; if the baronness of the baronness of from 377 in at the hearing invention.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying it day, or from midnight to midnight. The results of the barometer docessed from 29 °27 in, at the beginning of the week to 29, the PM. on the 14th, increased to 29.28 in, by 9th 20, on the 14th, increased to 29.28 in, by 9th 20, on the 14th, increased to 29.28 in, by 9th 20, on the 14th.
TEMPE TEMPE TEMPE 1.5	we mean daily dow point temperature and degree of hunidity mean daily values of the dry and wet bulb thermometers by Ghai Tables. Tables. There temperature of the air is that derived from a discussion of the nade at Greenwich during the 20 years ending 1885, and that of horizont ricm a discussion of the anemometric records for the 16 years ending 16 the columns 9 and 25 it will be borne in mind that + indicates "ri, than fine average. The water of the Thanes are suspended at a depth of two cen, at the end of one of the jetties of the Poveign Oattle Market at Daings are registered by the Clerk of the Market, under instruction of a leletricity is derived from Thomson's self-registering Electre employed are :—P, positive; N, negative; w. weak; in, moderate; s. lembers in column 29, derived from the Compbell-Stokes Sunshine Instruction of bright sunshine on each day. Saults of all the meeorological observations are to be understood as as at incolumning the ordinging.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instructure the defeated duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as all day, or from midnight to midnight. The results of an anometer decreased from 29.27 in. at the beginning of the with party of the barroneter decreased from 29.27 in. at the beginning of the with a factor of the with the MRI; increased to 29.33 in. by 9th. P.M. on the 17th - Jacobs of the with the beginning of the works.
TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TO 38.5 TO 3	8). The mean daily dew point temperature and degree of planean daily values of the dry and wet bulb thermometers verage emperature of the air is that derived from a discussion and as it can a discussion of the anemometric records for the 15 years ding the columns 9 and 25 it will be borne in mind that + in y-y, than the average. The man average of the Thames are suspended at a dependencies in the water of the Thames are suspended at a dependencies in the water of the Thames are suspended at a dependence at the end of one of the jettles of the Foreign Cattle Maika are registered by the Clerk of the Market, under in on of London. Tondo Telectricity is derived from Thomson's self-registeric employed are:—P, positive; N. negative; w. weak; m. mor employed are:—P, positive; N. negative; w. weak; m. mor miners in column 29, derived from the Campbell-Stokes Sunsh state duration of bright sunshine on each day. Sults of all the meteorological observations are	The numbers in column 29, derived from the Campbell-Stokes Sunsi- aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be underst the results of all the meteorological observations are to be underst il day, or from midnight to midnight. The statement of the barmonies of the barmoneter decreased from 39.27 in, at the beginning Sh. P.M. on the 16th il moressed to 39.33 in, by 9h. P.M. on the 17th.
TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TO 38.5 TO 3	8). The mean daily dew point temperature and d'adoles in mean daily values of the dry and wet bulb ther Jeables. rerage temperature of the air is that derived from s made at Greenwich during the 20 years ending 1868, as from a discussion of the anemometric records for the ding the columns 9 and 25 it will be borne in mind from the water of the Thames are suspende ermometers in the water of the Thames are suspende ermometers in the water of the Thames are suspende on one of the jettles of the Proveign dings are registered by the Clerk of the Market in of London. Cond of Electricity is derived from Thomson's selemployed are:—P. positive; N. negstive; w. weal moves in column 29, derived from the Campbell-Stowate duration of bright sunshine on each day. Suits of all the meteorological observations are to learned the baronneter decreased from 32.77; in at the	The numbers in column 29, derived from the Campbell-Sto aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to il day, or from midnight to midnight, the partial distribution of the barometer decreased from 39.27 in, at the Sh. P.W. on the 16th; increased to 39.23 in, by 9h. p.W. on
TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TO 38.5 TO 3	8). The mean daily dew point temperature of mean daily values of the dry and wet bull 1 ables. 1 ables. 1 ables. 1 ables. 1 and wet bull was a second of the air is that derived nade at Greenwich during the 20 years ending from a discussion of the anemometric records ding the columns 9 and 25 it will be borne in r," than the average. 1 and 1 able 1 and 2 and 2	he numbers in column 23, derived from the Campb aggregate duration of bright sunshine on each day, the results of all the meteorological observations a il day, or from midnight to midnight. The results of St. P. W. On the 18th : increased from 29.27 in the 18th : increased from 29.27 in the 18th : increased to 29.27 in the 29.27 in
TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TO 38.5 TO 3	8). The mean daily dew point temper 1 anos. daily values of the dry and w 1 anose, at alones et meant and w 1 anose, at a secure of the air is that demonds at Greenwich during the 20 years efform a discussion of the anemometric of ding, the columns 9 and 25 it will be box ermometers in the water of the Thames cernometers in the water of the Thames ermometers in the water of the Jettles of dings are registered by the Clerk of ion of London. The cond of Electricity is derived from The mployed are:—P. positive; N. negat employed are:—P. positive; N. negat employed are in column 29, derived from the exate duration of bright sunshine on easusts of all the meteorological observat of them mains of the barometer decreased from 3.	The numbers in column 29, derived from the (sagregate duration of bright sunshine on each ine results of all the meteorological observal iday, or from midnight to midnight of the brancher decreased from 28 in reading of the baxoneler decreased from 28 in. P. M. on the 16th increased to 99.33 in. in
TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TO 38.5 TO 3	8). The mean daily dewpoint '1 aloles. rerrage temperature of the air is '1 aloles. rerrage temperature of the air is 'from a discussion of the amenousling the columns 9 and 25 it will 'r'. 'than the average. awater of the Tremometers in the water of the Tree, at the end of one of the jettle, at the end of one of the jettle, at the end of one of the jettle dings are registered by the Cliftlenga are registered by the Cliftlenga are registered by the Cliftlenga are registered by the Cliftlenga are registered by the Cliftlenga are registered by the Cliftlenga are registered by the Cliftlenga are registered by the Cliftlenga are registered by the Cliftlenga are registered from a cond. Of Electricity is derived from employed are:—P. positive; N. le. miches in column 29, derived from exact of recomminging the meteorological on ridging the meteorological or of from midningth.	he numbers in column 29, derived from aggregate duration of bright sunshine the results of all the meteorological of lay, or from midnight to midnight. The reading of the barometer decreased 80, p.w. on file 18th; increased to 29.3.
TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TO 38.5 TO 3	8). The mean da 'mean da 'lables. rerage temperature made at Greenwich from a discussion ding the columns 4", than the average ermoneters in the co., at the end of oi dings are register ion of London. In these in column 2 ermoloyed are:—Flemples are register in the cord of Electricit employed are:—Flemples in column 2 exate duration of beatter of the form midnight adming the parent of the parent of the parent and are for the parent and and the parent a	The numbers in column 2 aggregate duration of b he results of all the midday, or from midnight the reading of the barom of the Y. P. W. on the 16th; in
TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TO 38.5 TO 3	s). T mear labels and	the numbers aggregate of the results of the reading
TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TO 38.5 TO		he ni aggr he re il day he re Sh. P.
TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TEMP1 TO 38.5 TO 3	olumn the trical	HOHEE L
Had Had Had Had Had Had Had Had Had Had	9	\$ 6. E
the Air Temperature Degree and Degree and Dew Point Confine and De	fine and Overcast cloudless andy and	
Difference between the Air Temperature. Temperature. Mean Great. Least. J. 19 7.0 0.0 2.8 5.7 20.4 0.0 2.8 5.7 20.4 0.0 3.5 9.4 0.0 3.5 9.4 0.0 1.9 7.0 0.0 3.5 9.4 0.0 1.9 7.0 0.0 1.9 7.0 0.0 2.8 5.7 0.0 1.9 7.0 0.0 2.8 5.7 0.0 1.9 7.0 0.0 2.1 15.4 0.0 3.5 9.4 0.0 3.5 9.4 0.0 3.5 9.4 0.0 4 7.1 15.4 0.0 1.9 7.0 0.0 2.9 5.2 12.4 0.0 3.5 9.4 0.0 3.5 9.4 0.0 4 7.1 10.4 0.0 2.8 5.8 5.7 0.0 4 7.1 10.4 0.0 2.9 5.8 5.7 0.0 4 7.1 10.4 0.0 2.9 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8	ning; halo.	ds, wi
ENERAL RE Transcrate be and Dew Plant Transcrate of the Air Temperature and Dew Plant Transcrate of the Air Temperature and Dew Plant a	n morr Solar t till n ; parti	fterwai
ENERAA Enternal in frequent re- equent re-	frost i ening. in. rain nt rain orning is.	oudy a
th the state of th	terward till ev till ev tht. freque freque freque ing; el	ing; c
Of the Point. North Mean Adult. 10 0 48.4 48.4 48.4 41.2 38.0 38.1 10 10 6.0 41.2	noon; afterwards cloudless. less with hoar froat in morning; fluor oloudy till evening. Solar halo. Over ast; frequent rain. ast incquent rain till night; cloud. P.M. less in early morning; partially cloud in morning; cloudy afterwards, with in morning; cloudy afterwards, with	n morn
	Cloudless partially old with rain a Overcast; Overcast after 10h. P. Cloudless generally this sional rain.	Fine in sional ra
Of the Air. Daily Mean Range, value, along 42.7 18.5 50.0 19.8 42.7 4.7 41.3 9.3 38.9 20.3 42.1 18.2 44.7 18.9 44.7 18.9 44.7 18.9 12.0 12.0 12.0	12.0 12.1 12.2 12.2 Sum	2.51 Sum 84.2
Orthe Air Daily D		
Corthe Air. Corthe Air.	6.0 6.0 8.1 8.1 8.2 8.3	0.6 Sam 21.5
	oon; img; iffer- wen. M. M. in and	one-
Hand- Merrer,	w. P. in afternoon; w. P. afterwards, m. P. in morning; w. P. generally afterwards, w. N. and Joh. P. N. y. N. and Y. P. morning; v. N. and w. P. atterwards, m. P. generally v. N. and v. P. in v. N. and v. P. in v. N. and v. P. in v. N. and v. P. in v. N. and v. P. in v. N. and v. P. in	and v. F; m. P. g
Phases of the Moon. Moon. Perigee. Salah. New. P. g. W. P. g.	w. P. arth. w. P. arth. w. P. B. Warde, w. W. P. B. W. Warde, w. W. P. W. P. W. W. P. W. W. W. W. W. W. W. W. W. W. W. W. W.	v. N. morning rally afte
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 20 20 29	
MONTH AND DAT. MARCH. BUN. MON. TURS. TURS. TURS. THURS. WED. THURS. THURS. THURS. WED. THURS. THURS. THURS. WED. THURS. THU	TUESDAZ Wednesda Thurstay Fridax Saturday	SATURDAY

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

OTHER GREAT TOWNS. TWENTY-SEVEN

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 13. 1890. Vol. LI. WEEK ENDING SATURDAY, MARCH 29. [Price 1 do

General Register Office, Somerset House, 31st March, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.4 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	ending	15	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Weeks ending
Towns. ,	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Towns.	Mar. Mar. Mar. Mar. 8. 15. 22. 29.
Birkenhead	22.8	14.4	18.4	19.4	Liverpool	30:2 26.0 23.2 22.3
Birmingham	27.8	23.8	21.0	22.4	London	22.3 20.9 19.3 18.5
Blackburn -	38.8		28.3		Manchester -	45.6 35.9 30.5 31.9
Bolton -	40.1	37.8	26.6	19.4	Newcastle-on-Tyne	29.4 29.4 24.3 28.8
Bradford -		24.1	التكافية	24.9	Norwich	25.2 24.1 16.4 26.2
Brighton -		المكافئ	المكافية	28.7	Nottingham -	21.9 19.4 19.6 17.9
				19.1	Oldham	26.3 19.2 27.4 21.3
				20.9	Plymouth	31.1 27.1 21.2 21.8
		24.8		21.7	Portsmouth .	22.6 21.2 25.9 20.8
		29.9			Preston	38.7 27.8 25.8 23.3
Huddersfield		20.5			Salford	33.1 22.4 22.8 26.7
		المكاسات		23.7	Sheffield	38.7 33.4 28.0 29.3
		27.4			Sunderland -	24.4 26.4 18.3 21.8
Leicester -	22.6	20.3	14.5	22.6	Wolverhampton -	39.4 21.9 28.8 19.4

The highest annual death-rates, measured by last week's mortality, were:-from whooping-cough, 1.3 in Wolverhampton, 1.4 in Liverpool, in Oldham, and in Bolton, 1.5 in Salford, and 3.0 in Brighton; from measles, 1.6 in Liverpool and in Birmingham, and 2.1 in Derby; and from scarlet fever, 1.3 in Salford, 1.9 in Sheffield, and 3.0 in Preston. The death-rate from "fever" did not reach 1.0 per 1000 in any of the twenty-eight towns. The 46 deaths from diphtheria in these towns included 30 in London, 4 in Salford, 4 in Hull, 2 in Manchester, and 2 in Sheffield. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2543 BIRTHS and 1571 DEATHS were registered. Allowing for increase of population, the births were 328, and the deaths 265, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the three previous weeks from 22.3 to 19.3, further fell last week to 18.5, this being the lowest rate recorded in any week of this year. During the thirteen weeks ending last Saturday the death-rate averaged 23.6 per 1000, and was 1.0 per 1000 above the mean rate in the corresponding periods of the ten years 1880-89.

The 1571 deaths included 45 from measles, 10 from scarlet fever, 30 from diphtheria, 101 from whooping-cough, 7 from enteric fever, 1 from an ill-defined form of continued fever, 13 from diarrheea and dysentery, and not one from

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

61202.—13. 610.—3/90. Wt.

small-pox, typhus, or cholera; thus, 207 deaths were referred to these diseases,

being 19 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 12; 7 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had been 35, 35, and 45 in the three previous weeks, numbered 44 last week, being 9 below the corrected average; 5 belonged to Islington, 3 to St. Luke, 3 to Shoreditch, 6 to Bermondsey, and 8 to Battersea sanitary areas. The fatal cases of *scarlet fever*, which had declined from 18 to 11 in the two preceding weeks, were 10 last week, being 15 below the corrected average; 2 belonged to Camberwell sanitary area. The Metropolitan Asylum and London Fever Hospitals contained 1083 scarlet fever patients at the end of the week, against numbers declining from 1609 to 1124 in the twelve preceding weeks; 91 cases were admitted to these hospitals during the week, against 53, 76, and 87 in the three previous weeks. The deaths from diphtheria, which had been 19, 25, and 23 in the three preceding weeks, rose last week to 30, exceeding the corrected average by 14; 2 belonged to Chelsea, 3 to Pancras, 3 (all of children of one family in Gray's Inn Buildings) to Holborn, 3 to Shoreditch, 4 to Bethnal Green, 2 to Poplar, 2 to St. George Southwark, and 2 to Lambeth sanitary areas. The deaths from whooping-cough, which had declined from 115 to 76 in the six previous weeks, rose again last week to 101, being 10 in excess of the corrected average; 5 belonged to Kensington, 4 to Westminster, 4 to Pancras, 8 to Hackney, 5 to St. Luke, 5 to Shoreditch, 4 to Bethnal Green, 4 to Stepney, 5 to Poplar, 4 to Bermondsey, 6 to Lambeth, 6 to Camberwell, and 5 to Plumstead sanitary areas. The deaths attributed to diarrhaa and dysentery, which had been 14 in each of the two preceding weeks, numbered 13 last week, and corresponded with the corrected average.

The deaths referred to enteric fever, which had risen from 3 to 7 in the two preceding weeks, were again 7 last week, being, however, but half the corrected average; 3 belonged to the North and 3 to the East group of sanitary areas, in the latter being included 2 which belonged to Whitechapel. The Metropolitan Asylum Hospitals contained 70 cases of enteric fever, and one of typhus, on Saturday last; 9 cases of enteric fever were admitted during the week, against 8, 10, and

12 in the three previous weeks.

The deaths primarily attributed to *influenza*, which had been 24, 11, and 17 in the three preceding weeks, declined again last week to 13; 6, including 3 in Kensington, occurred in the West group of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had declined from 510 to 381 in the three previous weeks, further fell last week to 375, and

were 106 below the corrected average.

Different forms of violence caused 61 deaths, concerning all but 2 of which inquests were held. Of these 61 deaths, 7 were cases of suicide, and 1 of execution, while the remaining 53 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 5 by burns or scalds, 2 by poison, 7 by drowning, and 16 (including 15 of infants aged under one year) by suffocation. The death of a child, aged 4 years, occurred in the West London Hospital, the cause of which was returned, after inquest, as "syncope "whilst under inhalation of chloroform."

GREATER LONDON.

In Greater London 3405 births and 1959 deaths were registered, corresponding to annual rates of 30.8 and 17.7 per 1000 of the estimated population. In the Outer Ring 13 deaths from whooping-cough, 11 from diphtheria, and 9 from measles were registered. The deaths from diphtheria included 3 in Leyton, 2 in Ilford, and 2 in Tottenham sub-districts. Two deaths from measles were recorded in Walthamstow, 2 in Tottenham, and 2 in Croydon sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29·59 ins.; the lowest reading was 29·00 ins. on Monday evening, and the highest 29·91 ins. on Tuesday evening and again at the end of the week. The mean temperature of the air was 49°0, and 6°3 above the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average throughout the week, the greatest excess being 12°5 on Friday. The general direction of the wind was South-Westerly, and the horizontal movement of the air averaged 13·7 miles per hour, which was 1·2 mile above the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0·41 of an inch. The duration of registered bright sunshine in the week was 14·6 hours, against 16·7 hours at Glynde Place, Lewes.

		-						Ĺ			Ĺ													-	_	
CITIES	AND BOROUGHS,	Cols.	- 28 TOWNS.	LONDON. BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL. WOLVERHAMPION.	BIRMINGHAM.	LEICESTER.	DERBY.	BIRKENHEAD.	LIVERPOOL.	KOLTON.	MANCHESTER,	OLDHAM.	BLACKBURN.	PRESTON.	HALIFAX,	BRADFORD.	SHERFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINGHE.	
'ALL.	In Centi-	24.	1.60	1.04	1 1	1.40	1.22	1	1	1 13	Ł	i Pi	ı		1			1	2.18	3 . 1	1.22	2.31	2.67	1	18.0	0.76
RAINFALL	fu Inobes.	23.	0.63	0.56	1 1	0.25	0.48	1	- 0.47	7 1	1	ı	1	4 1			1	•	98.0	8 j. 1	0.48	16.0	1.02	1	0.39	0.30
ALB.	.ehsrgitneU	22.	8.11	9.44	1	90.6	8.83	1	1 00	3 1	1	1	1	1		1	1	1	90.8	1 1	68.8	8.11	11.4	1	7.44	27.72
TEMPERATURE OF THE ALR	F'ahrenheit.	21.	9.97	45.9	1	48.3	47.0	1		#0.4F	1		ı	1	1 1	1	1	1 1	46.5	8 . 1	47.1		44.8	,	12.4.	
ATURE	it Lowest	20.	31.1	86.1	1	40.2	36.0	1		0.00	•	1	,	ı		1	1	1 1	20.5		37.0		39.0	1	20.08	31.7
EMPER	Fahrenheit Lowent	19.	8.89	8.89	1	55.6	59.5	1	- 8-68		1	1	1	1	3 8	,	1	1 1	58.5	8 1			26.0 3	1	100	26.0
Kate 7	From Diseases in Cols. 6-12.	18.	3.3	2°.4 8°8	7.0		1.0	3.5	S.0 1.1		0.2	2.0	0	1.4	2.1	2.2	3.0	20.00		7.1		-		S . H		0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Annual Kate per 1006, corresponding to the	Krom All Causes.	17. 1	7.TZ	18.5			19.1		9.72			22.3		81.9			28.83			9.27		00		6.03		28.0
1*1123	Uncertified On Use 1961	16.	84 2	12 1	010	1 01	; !	11 2	00 F		-	16 2	-	က ေ	-	22	-		03 0		2 4		-	1	1-	2 23 6
	Deathain Public enoitutitenl	16.	113	377	10	9 9	14	80	r- 0	9	1		۵	52	1 83	41	67 6	o 1	IJ.		9 =	1 67	15	9	1-	649
•8	Inquest Case	14.	249	117	63 4	F 67	F 1	15	9 1	- 1	10	15	-	20	8 11	0.3	r-1 1	-1 1	10	9	20 d	FI 00	13	93	-	
lude	Vlolence.	13.	138	19	1 -		41	10	07 -	# 1	-	13	- -	10	N 14	, p=1	-		41	63 1	H 01	o 0.1	00	23	,	13
The DEATHS registered in the Week include Deaths from	.amdrrsi(I	12.	83	55 cd	1	1 1	1	-	1 1	٠,	1	က	1	63 6	n 1	67	1	1 63	-	c3	1 1		2	1		20 10 1
the W	Ferer.	1	20	οο I	1 -	- 1	1 1	63	-	1 1	1		1		→ 1	63			-	7	8 1	-	1 1		-	1 -4 :
ered in	Whooping-	10.	164	101	8 =		4 0	4	1	1 1	1	16	တ		r 4	*	1	1 11		10	c	a 1	=1	6.0		15. 5
s registere Deaths	Fever. Diphtheria.	9.	1 46	08 -	-	1 1	1 1		-1-1	- I	-	1		63	4 1		1				- C3	4 1	700	-	-	co FC
EATE	Searlet	7. 8	7 64	10		- 1	- 1	14	-	1 4	8 1	19		10	H 1			1 1	4	00	1 12		1 8		-	1 63
The I	Small-pox.	6.	- 97	1 1	1	1 1	1 1			ı	1 1	-	1	1	1	1 1	1	1 1		1	ı	1 1		1		99
of	shinwqu bas	5.	937	360	16	14	29	37	21	20 00	6	44	70	20	26	2 00	10	14	59	88	40	27	20	6	=	23 25 E
saths	Age. Persons aged 60 Years	4.	872 9	10 0	10	17	21 9		11	23	2 0	- 89	11	41	80 7	2 2	0	10 00	16	28	38	20	- 61	18	-	2 3 3
ng Bu	o m m m m m m m m m m m m m m m m m m m	3.		-	57	3 88	23 55			848 40	30	262	43	282	24	00	47	37				27	06	47	-	285
red duri	29th Mar., 1890.	-	3982	15																					-	
Registered during the Week ending	29th Me	oi	5852	2543	113	70	122	300	122	130	90.00	845	78	256	138	75	SI	39	138	238	226	161	115	70		377
Z	estimated to the middle of the Year 1890.*	1.	9.715.559	4,421,661	123,659 142,952	95,352	232,248	66,400	154,344	244,909	100,871	618,463	115,846	879,437	242,509	193,553	105,163	94,253.	240,515	863,799	832,837	186 506	162,987	117,012		530,208
	CITIES AND AND EOROUGHS.	Cols.	- RAWOT OO		TON .	но	outh .	WOLVERHAMFIUN	LEICESTER .	M		BIRKENHEAD		MANCHESTER .	ED .	AM .	ow	HUDDERSFIELD -	RORD	1 1	TIELD -	STANDERLAND .	NEWCASTLE -	F		SURGH .
	BOR		T 90	LOUDON	BRIGHTON	NORWICH	PLYMOUTH	WOLV	L'EICESTER	North	DERBY	LIVERPOOL	BOLTON .	MANCE	SALFORD	BLACKBIRN BLACKBIRN	PRESTON	HULDERS	BRADFORD	LEEDS	SHEFFIELD	STADER	NEWC	CARDIFF		GLASGOW

Table 2. LONDON.—Births and Deaths Registered in the THIRTEENTH Week of each of the Eleven Years, 1880-90.

Total Births Males Females .	1880 2492 1279 1213	2608 1329 1279	1882 2647 1330 1817	2714 1345 1369	2732 1386 1346	1885 2404 1247 1157	1886 2698 1359 1339	1887 2796 1379 1357	1888 2492 1288 1204	2808 1403 1405	Corrected Weekly Average in 10 Years 1880-89.** 2871.3 1455.2 1416.1	2543 1332 1211
Total Deaths Males Females .	1732	1547	1655	2148	1573	1701	1745	1588	1668	1476	1835·6	1571
	909	880	788	1089	829	852	876	806	828	731	931·1	810
	823	717	867	1059	744	849	869	782	840	745	904·5	761

^{*} The numbers in this column are the average weekly numbers in the thirteenth weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON.—B	IKTHS	, DEA	THS,	and D	TELEC	KOLO	GX 111	ше.	Last.	THIRT	EEN	W KEK	8.
	Jan.	Jan. 11.	Jan. 18.	Jan. 25.	Feb.	Feb. 8.	Feb. 15.	Feb. 22.	Mar.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.
Total Births	2961	2818	2714	2510	2699	2707	2793	2702	2561	2536	2717	2534	2543
TOTAL Deaths	2371	2747	2720	2227	1849	1749	1809	1847	1802	1889	1771	1637	1571
Ages at Death 0-20 years - 20-40 ;; - 40-60 ;; - 60-80 ;; - 80 years & upwards	834 346 541 552 98	939 367 670 640 131	909 450 666 576 119	775 349 510 503 90	703 282 369 390 105	714 238 334 363 100	763 218 357 390 81	753 256 363 374 101	739 234 324 418 87	798 226 348 428 89	776 196 303 404 92	729 198 296 342 77	743 204 264 309 51
Under 1 year - 15 - 520	398 310 126	430 375 134	415 344 150	386 294 95	350 250 103	372 254 88	352 306 105	393 259 101	367 263 109	894 294 110	392 271 113	381 270 78	366 304 73
Deaths from Small-pox " Measles - " Scarlet fever - " Diphtheria - " Whooping-cough " Typhus -	36 15 32 98	24 13 26 112	24 22 22 104	21 10 22 82	11 14 24 67	8 19 24 91	21 14 39 115	1 14 13 27 103	19 14 24 97	35 12 19 95	35 18 25 86	45 11 23 76	45 10 30 101
", "Enteric fever ", Enteric fever ", SimpleContafever ", Diarrhoa and ", Dysentery - ", Cholera -	12	11 12 -	14 1 6	10	9 - 9 -	4	12 1 6.	8 1 21	7 1 12 -	1 9	3 1 14	14	7 1 13
,, all the above- mentioned Diseases	203	199	193	160	134	148	208	188	174	175	182	176	207
,, ,, Dis. of Respira- tory System ,, ,, Phthisis - ,, Dis. of Circula-	843 247 222	1069 267 275	1010 312 209	736 239 193	550 220 116	485 209 154	439 215 143	452 218 162	492 224 146	510 206 163	164 145	381 169 148	375 154 120
Violent Deaths Inquest Cases Deaths in Public Institutions	91 195 494	55 192 534	65 171 626	60 142 491	62 127 471	58 125 401	56 137 436	77 143 434	52 184 425	65 120 406	76 162 390	49 115 406	61 117 377
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	\$2.8 36.7 28.5	47.6 52.4 43.0	45·5 50·6 39·4	48.4	42·9 48·3 38·2	42.7	35·9 41·7 30·8	43.9	\$5·4 42·0 30·4	43.6	54.0	52.0	49.0 57.3 42.6
Humidity of the Air Rain-fall in inches	97 0·11 5·0	89 0·40 10·1	86 0·13 7·3	84 0·77 14·9	90 0·73 8·9	89 0.05 9.5	87 0·88 31·2			1			84 0·41
Registered Sunshine (in hours)	5.0	10.1	1.3	14 9	8-9	9.5	31.2	12.4	9.7	12.1	28.1	21.5	14.6

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Erown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O., Pilkington, Esq., M.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R. Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sungerland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DHATHS Registered at several groups of Ages from different Causes in the Thirteenth Week of the Year 1890.

					TH	IRT	GEN	TH	VV	eek of the Year 1890									
,	for the 10 years	- 1	Batur	the day,	29th	Mar	ch l	890.			for the		Ratur		29th	Mar	ch 18	90.	_
	10 10 10 10 10 10 10 10 10 10 10 10 10 1		De	aths tb	of P	erson zes	14 nf	1			ses l		De	aths th	of Pe		s of		
	Corrected Averages 13th Weeks of the 1880-89.		U	nder		40.	.09	80.	and	CAUSES OF DEATH.	Corrected Averages 13th Weeks of the 1			nder		.40.	60.	80.	Bud
AUSES OF DEATH.	d A seks 188	ES.	ļ	20.		under	under 60	under	a and		eeks	AGES.	-,	20.	-	under 40	under	under	de Br
	b We	AGES.	١.		20.	and u		and u	y Years upwards		recte b W				38	and u	ana u	and u	X Cars
	Cor. 13t	ALL	0-1.	1-5.	5-2	20.8	to and	4U &	30 n		Cor	ΔLL	0-1.	1-6.	* - 20°	20.0	40		30 m
LL CAUSES	1835.6	1571	366	304	73	204	261	379	51	Diseases of Organs of	2.1	-				-	-	-	_
. (Vaccinated) -) (-	-	-		- 1		1		Special Sense t (-	-	-	-	-		-
mall- Unvaccinated	212.1		-	-	-	- 1	-	-		Diseases of Circulatory	131.0	120	-	3	5	19	32	55	7
(No Statement	53.3	45	5	39	1	Ξ.	-	_		7 3 3 1 A 1					_			-	-
feasles	24.8	10	1	8	1	- 1	-	~	-	Bronchitis -	14°1 299°2	10 231	60	3 53 35	6 1 4	7	29 17	72 10	9
yphus	0.0		-	-	-	-		-		Pneumonia	8.0	106	24	-	-	1	-	-	-
telapsing Fever †	0.0	13	-	-	-	4	8	1		Other Diseases of Respi- ratory System	40'8	27	2	7	-	2	3	8	-
Vhooping-cough	90.7	101	44	55	2	-	-	-		Dentition †	16.9	19	13	6	-	-	-		
Diphtheria	15.8	30	3	17	9	1	-	•	E	Quinsy, Sore Throat + -	5.8	13.	1	2	-	5	ī	4	-
imple Continued and \ Ill-defined Fever - \	11.5	1	-	-	1	-	-	-	١	Peritonitis Diseases of Liver	6·9 28·9	5 26	1	1	1	3	15	5	-
Interie Fever,	0.1	7	-	3 !	1	L	2	_	F	Other Diseases of Digestive System -	29.3	27	7	2	1	1	7	9	-
holera	12.0	13	9	1	-	-	2	-	1			-	-		-	-		-	-
temittent Fevert	0.1	1	1 -	1	-	- 1	-	-		Diseases of Lymphatic System & of Ductless	1.6	2		-	1	. 1	-	-	-
Iydrophobia	0.0	-	-		-	-	-	_	-	Glands †)				_		_			
owpox and Effects of)	0.0	-	-	-	-	- 1	-	-	_	Diseases of Urinary	47.1	46		1	2	10	18	18	2
Vaccination † >	12.0	9	4	1	-	3	1	-	-	System /				_				_	_
Erysipelas	5'9	2 2	Į.	-	-	- }	-	1	-	Diseases of Generative	4.9	2			П	_	1	1	
yæmia and Septicæmia † uerperal Fever – –	6.8	4	-	-	1	2 :	2	-	-	System	4.9	3	-	-	-	3	-		-
ther Zymotic Diseases †	210	-	1 -		-	_	-	-	-				_						-
M	1.2	2	1 2					_	_	Diseases of Locomotive System † }	9'1	8	1	1-1	. 1	1	1	4	-
hrush Worms and other Para- \	0.3		-	_	_			_	-	Discourse of Intervence 1									
sitical Diseases /		-	-	-					-	Diseases of Integumen- tary System	6.1	5	1	-	-	_	1	3	-
Starvation, Want of	1'5	2	2	-	-	_	_	_	-				i						
Breast-milk †	6.3	5	-	-	_	1	2	3	-	VIOLENT DEATHS.§									
			1	-	-	-	-	-	-	(ACCIDENT.)	20.5	18	1	1	i.	6	8	-	1
Rheumatic Fever, } Rheumatism of Heart†	9.2	10	-	-	3	6	1	-	-	Fracture and Contusion Gunshot Wound	0.1	-	=	-	-	-	-	-	-
Rheumatism †	3.3	1	-	-	-	1	-		-	Cut, Stab Burn and Scald Poison	7'4	5 2	-	1	2.	ī	1	-	-
Gout	4.8	5	1	3	-	. 1	2	2	-	Drowning Sufficient	17.9	7 16	15	1	-	6	1	-	-
Cancer	55.3	52	-	-	1	3	21	28	1	Otherwise	2.5	5	4	-	-	1	-	-	_
Tabes Mesenterica -	24.5	20 30	10	8	I	1	-	-	-	(Howeren)			1						
Tubercular Meningitis – Phthisis – – –	185'8	154	13	14	3 15	73	47	111	77	(HOMICIDE.) Murder & Manslaughter	2.4	-	-	-		-	-	-	
Scrofula, Tuberculosis -	18.0	18	5	10	1	1	1	-	-			-		-	-	-	-	-	-
Other Constitutional \ Diseases † \	11.3	14	-	-	-	1	7	6	-	(SUICIDE.)	7.2						-		
Promotor VIII	2010	00	100	1	1					Gunshot Wound Cut, Stab	3.7	1	-	-	-	ī	-	-	-
Premature Birth Ateleetasis +	39.0	36	26	-	: _	1:	-		-	Poison	0.7	1 4	-	1 3	-	3	1	-	1:
Congenital Malforma-	4	6	4	-	1	. 1		1.	-	Otherwise	0.4	ì	-	-	-	-	1		-
tions S	63'1	38	-	1 -	1 _	-	-	18	20				1		-	-			
A		1-	-	1-	-		-	-		(Execution.)	0.0	1			-		-	1	-
Apoplexy Epilepsy	49'9	37 6	1	1-	-	1 2	9	3	2	Hanging		-1-	-		-	-	-	-	
Convulsions	51.3	50	41	4	-	1 -	-	1	- -	OTHER CAUSES † -	_ 56.4	46	39	3	-	-	2	2	-
Other Diseases of Brain and Nervous System	99.6	81	7	19	9	10	9	23	5 5	OTHER CAUSES (*	30 1	1	-	1-		1		1	-
			1				-	-		1	rods nor a		-				*****		-

the numbers in this column are the average weekly Deaths for the ten years 1880-89, rated by y oth per cent, for mercase of population, sthe ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

The second of small-pox only are returned as "vaccinated" or as "unvaccinated." which are so certified by registered medical attendant does not certify that the deceased has, or has not, beau vaccinated. or when the cause of death is not corrided by a registered concer, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, marker, laughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON .-- POPULATION; BIRTHS; DEATHS from ALL CAUSES, 301 from SMALL-POX, MEASURE, SCARLE during the Week ending

	, 211												duri	ng t	he V	Veek	end	lin
							The	DEA	THE:	regist	ered i	n the	Wee	kine	lude			
	Enume-			Deat	hs of					Deat	ha fr	m						
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIBTH?.	Total DEATHE.	Year of Age.	rersons aged ou Years a upwds	Small-por.	steasies.	Sourier Feve.	Diphtheria.	" hooping-song"	Cypun	Enterio voi Pyphoid) Ess.	Stuple con-	DIRITROPA	Violence.	Inquest Cases.	Deaths in Public lastitutions.	Uncertified Causes
LONDON	3,815,704	2543	1571	366	360	-	45	10	30	1.01	-	7	1	13	61	117	377	1
WEST DISTRICTS	669,633 905,947 282,238 692,738 t,265,148	410 564 153 450 966	274 376 136 294 491	61 87 32 62 124	66 83 28 76 112		2 8 6 7 22	3 3 - 4	3 8 6 5 9	20 18 8 21 34	111111	1 8 - 8	1	6 2 2 1 2 -	13 18 4 7 19	23 30 6 29 29	80 81 43 83 83	3 8
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M. St. John Paddington H G.J. Kensington Town Ww Brompton H W.M. St. Peter Hammersmith - W.M. & G.J. St. Paul Hammersmith W.M. & G.J.	69898 37330 120141 43010 7599 64340 42900	48 13 70 13 1 66 76	30 11 57 12 3 21 36	6 1 13 - 7 15	5 5 17 2 3 2	11 11 11	- 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111111	3 - 5 - 8 8	11111	1	11 11 111	4	3 1 1 3 1	- 4 4 1 - 5 1	2 7 18 3 - 1 13	1
Chelsea North-west WHHHHH C. Chelsea North-east C. May Fair WW G.J.	30396 24925 32807 80353	17 12 16 3	6 19 3	1 2 1	2 5 1 7		1 -		- 1 1	1111		-	1111	1 -	1111	2 -	9 - 7	
Reigrave WHHH- St. John Westminster HHH St. Margaret Westminster H - C. St. James Westminster WHH N.R. & G.J.	59220 35496 24679 29941 16608	28 38 9 16 4	30 12 14 8 5	5 1 6 2	3 2 1 1		11.11	1 1 1 1 1		1 4		11,11	1111	1	1	2 -	7	1
St. Anne Soho HHHHHHHH - N.R. NORTH DIETRICTE. All Souls Marylebone HHHHH W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HH - W.M. St. John Marylebone HH - W.M. Hampstead Www/IHHH N.R. & W.M. Regent's Park Paneras II - W.M. Tottenham-court wHHIHN.R. & W.M.	267.59 14391 24809 21116 33700 33633 45452 39115 27729	12 9 8 26 18 17 29 14 17	10 3 4 6 11 18 19	1 1 2 1 1 3 5 2 8	1 1 1 6 7 5 5		1	1111111	1	1 1 1			1 1 1 1 1 1 1	1	77 1 1 2 2	1 2 1	6 - 2 1 - 1 6 -	1
Total Tota	80247 84369 17811 87487 67946 100976 61825 52048	13 20 7 54 60 59 42 81	8 11 9 34 42 28 24 18	2 4 12 4 9 7	1 3 1 8 13 4 4		1 - 1	11111111	1 2 - 1	1 1 2 -		1 - 1	111111	11111111	1111 2122	1 5 1 2	14 1 6 4 23	
Stoke Newington H N.R. Stamford Hill E.L. West Hackney H - N.R. Hackney WuvmuH - E.L. &N.R. South Hackney E.L.	22781 9277 87610 76911 39883	10 8 19 61 30	9 5 19 45 19	3 - 6 9 9	4 1 5 6 1	11111	1	1 1 1 8 1	3	- 444		- - 1	1 + 5 + 1 - 1	11111	3 2	2 - 1 1 6 5	2 14	
St. George Bloomabury	16681 14864 13837 17508 7515 8559	10 20 4 8 - 2	4 6 5 5 3 4 2	1 - 3 1 -	3 1 2 - 1	1111111		11111111	1111111	111 111	111111	111 111	11111	1 -	111 111	1 - 1 - 1	- 22 - 5 - 4 2	11. 11.
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W	18671 10706 6538 17516 19281 14773 17506 11541 18628 9217 7468	7 6 1 13 10 14 10 9 24 4 2	18 7 7 7 5 5 4 7 8	7212212122	1 1 2 1 - 2 - 1 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 8	1 1 2 2 3				1		1	8 2	
St. Botolph H	11174 7193 5358 8396 13666 5652	6 - 2 1 1	5 8 22 2 2 2 1	1 1 1 -	1 1 3	1	2 -	1.1.1.1	1 -	1				11111	8 11 1	8 -1 -	19	1111

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutious situated therein, namily: W—Work house; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishmer receiving inmates from other Districts than that in which it stands, (see note at the toot of next page). The Roman capitals signify the Wate Companies which supply the different sub-districts:—4. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Scuthwar and Vauxhall; L. Lambeth; N. E. New River; E. L., East London; and K., the Kent Company

ER, DIPPTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

urday, 29th March, 1890.		1	1			-												
				_			The	DEA	THE	regist	ered i	n the	Wee	k ine	lude			-
	Enume-			Deat	hs of	-			. 1	Death	s fron					1	3	or;
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhos.	Violence.	inquest Cases.	Deaths in Public	Uncertified Causes of Death.
East Districts. ywell Shoreditch - N.R. & E.L. Leonard Shoreditch HL* - N.R. tton New Town & - N.R. tton Old Town - N.R. & E.L. ggerston WH - N.R. & E.L.	7376 14967 29937 28036 46275	3 14 24 34	1 4 15 13 26	1 5 4	- 4 3 15		1 1 1		1 1 1 1	24	1 1111	1111	11111	11111	11111	2	5 10	
hnal Green North H E.L. hnal Green South E.L. hnal Green East WHL^* - E.L.	81157 34399 41405	30 18 32	9 5 24	2 1 5	2 1 12	-	1 1 1	() - () - () -	OR 31 10	1 2 1	111	ī	111		~ .	- 1	14	-
alfields - H.L. & N.R. e End New Town W - E.L. techapel Church H E.L. & N.R. dman's Fields - E.L. N.R. & E.L.	22585 15478 17490 9713 6102	11 14 6 6 8	1 12 22 - 5	1 2 2 2 2 2	14211	11111	iiiii	11111	11113		1 1 1 1	2	11111	1,111,1	11111	3 -	12 16	1 1 1 1
George's, North E.L. John, St. George East W - E.L.	88747 8410	27 10	13 5	10 2	1 -	1	-	-	H	1 -	-	-	-	- 1	1 -	2	3	1
dwell H E.L. & N.R. sliff E.L. ehouse E.L.	10895 16107 82041	6 28	12 8 11	24	1	111	1 -		13	1 3	-			111	4	1	2 -	.s [.] = .
End Old Town West H - E.L. End Old Town East WwwH- E.L.	37960 67653 87074	32 36 21	14 20 14	5	8	H	-	I	I	ī	=	-	-	-	ī	3	3	1 -
micy www.H E.L.	64859 55077	39 44	36 29	3 5 6	11 6	-	1 3	1	3	2 2	-	-	1 1 1	111	1	5 3.	19	
SOUTH DISTRICTS, istehurch Southwark WH L. & S. Saviour Southwark - S. te-road S. & L. ough-road WH - S. & L. don-road HL - L. & S. ity Newington - S. & L. Mary Newington - L. & S.	13668 14999 21381 15958 21316 26672 59555 21623	9 10 18 15 14 19 48 13	5 2 6 10 4 10 23 4	1 1 1 1 9 1	1 2 1 6 6 2	1111111	81111111	ininini	1,111,111	1 1 2 - 1 2 -	1111111	1111111		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	1114	1 4 1 4	nidiai)
Dlave WH 8. & L. ther Market S. & L. Mary Magdalen W S. lames Bermondaey - S. terhithe WH 5. & K.	11956 16300 15669 54682 86024	10 14 7 35 84	9 6 10 24 9	1 4 2 8 3	1 - 3 2 1	11111	6 -	11111	1 - 171 -	1 - 8 -	11111	11111	1111	1111	2 - 1 - 1 - 1 - 1	3 1 - 2 -	80 1 32 1 03	ī
terioo-road ist H - L. & 8. terioo-road 2nd H - L. & 8. terioo-road 2nd H - L. & 8. theth Church 1st H - L. & 8. abeth Church 2nd WW - L. & 8. mington 1st - 8. & L. mington 2nd - 8. & L. tton sow - L. & 8. wood W L.	15195 16351 19876 39859 45232 35882 62887 19017	13 15 11 31 36 22 37 12	7 5 10 31 16 10 16	3375-81	10 4 5 5 2	1111111	11		21111	1 3	11111111	1111111	1		3 - 1 1 -	4 - 1 1 -	6 16	1 2 -
Battersea WwH S. th Battersea WwH S. tham H S. adaworth WHL S. acy S. atham L.	54675 52587 86880 28004 13235 25558	51 54 11 21 5 21	22 26 8 15 3 10	2 4 1 6 2 4	6.21	111111	6 2 -	11111	11111	1 2	111111	111111	11111	111111	- - 1	2 - 2	1 20 17 4 1 11	1
wich with $W_{a0}L^*L^*$ - S. & L. & S. tham W - S., L., & K. Garge Camberwell - L. & S.	5590 59104 71089 50810	50 52 42	1 42 23 16	1 7 5 5	10 6 8	1111	1111	1	1	1 4 1		1 1 1	1111	11,11	2 -	2 1	22	- 1 21 -
Paul Deptford ww K. Nicholas Deptford K. nwich West H K. nwich East WHH - K.	76752 7901 21972	66 7 16	23 1 6	7 - 2	8 ~ 2	111	1	2	1.1	1	-	1 7 1	111	111	- - 1	- 1	4 - 7	FI 1 K.
Am H K. H K. sisham WH K. sham H L.	24608 5048 21559 19865 26076	17 4 12 19 33	18 2 4 10 6	1 2 2	6 - 2 -	1 111	1111	11111	1 1111	11111			4 4 4 4 4	1 1111	1 1 1 1 1	-	2	1114
rlton H// K, llwich Dockyard K, llwich Arsenal HH - K, nstead, West H K, nstead, East W K,	10930 17617 19048 14009 19241	11 15 8 29	8 9 4 2 16	1 2 - 1 4	1 2 2 - 2	11111	1	11111	-	1 5	11111	11111		11111	1	-	2 - - 2	i i i i
ropolitan Asylum Hospitals; Dartford w Winchmore Hill w		-	-	1 1	1-1	1.1	- 1	-	· - :	- '	-		17	-	=	-	-	

following Workhouse Establishments are indicated in the above Table by w (see note at foot of preceding page):-

are indicated in the larylebone Infirmary in Kensington Town sub-district, sourca London Sick Asylum: in Tottenham Court ano-district, olibora infirmary in Upper Holloway and-district, olibora City Workhouse "Haesney sub-district."

However, and the sub-district of

Stepney Worknose in Bromley sub-district.

Poplar & Stepney Siek Asymm
Westminster Union Industrial School in West Battersea sub-district.

St. Sariour's Infirmary in Camberwell sub-district.

Metropolizan Asymm District Hospitals in Fulnam. Hampstead. Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts districts.

Strand and Helborn Workhouses outside Registration London.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during tweek ending Saturday, 29th March, 1890.

				w ee	k end	ing S	aturd	ay, 2	oin N	iarch	, 109	0.						
Regis-		Area	" · /			1			The D	EATHS	registe	ered im	the V	Voek i	nelude			
tration		Acres,	Enume-			Dea	ths of		, -	1	Death	from						8
District and	REGISTRATION	inclu- ding	rated Popu-	rHs.	DEATHS	o. 1	1 60 wds.			:		ugh.				*	Deaths in Public Institutions.	Causes
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	BIRTHS)EA	under of Age.	sged &	, X		Pevel.	ria.	18-60		ų.	å	Case	in P	
Num-		and Fore-	1881.	النا		Infants Year	Persons Years	Small-pox.	Measles	Scarlet Fever.	Uiphtheria.	Whooping-cough,	Fover.	Diarrhos.	Violence.	Inquest Cases	aths natit	Uncertified
bers.		shore.				Infe	Per	Sm	Me	Sea	Dip	Wh	Fer	Dia	Vic	Ing	De	Un
LON	DON-OUTER RING	370,924	950,957	862	388	82	121	-	9	2	11	13	4	1	12	23	54	-
80:1	Carshalton wL -	12228	21118	19	. 6	-	2	~	-		. 1	_	_		-	_	12	
3	Epsom (part of)* WwH	9971	10710	12	2	***	2	2 W.	. -	~	-		-		-	•	1	
37:1	Godstone (part of) * -	2754	.1235	1	-		70	-	- 2	**			-	-	1	/ 1	15	
38:1	Croydon WwH L - Mitcham w †	20851 11697	101941 17982	63	42 8	7	18		-			-	1	-	7	7	1	
89:1	Wimbledon HHH -	3220	15950	10	7	n groot	8	-:	141	2.0	4 -	- \	-	<u></u>		. 1	2	
8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	26	14	-	9	-	-	_	_	-	-		-	7 -	-	
4	Hampton H	4578	13589	6	8	-	1	-	- 4			-	1		1 "		-	
40:1	Richmond WH Mortlake	2272 2941	21302 12331	7	12	2 -	6	-	2		-		- W		1	1	3 -	And the second
43:1	Bromley (pt. of) * HH	15669	81142	84	11	4	4	-	1		-		-	-	-	 .	-	
2	Chishrst(pt.of)* WHH	14807	15844	22	9	4	1	-	1			2			-	2	1	
42:1	Bexley H Dartford (Ww, pts. of)*;	18487	24184	19	9	2	5	-	-	-		-	-		1 -			
124: 1	Sunbury w	11055	11685	8	-1	+	1	-	-1			-				7 ·	-	
3	Staines W-	18277	12089	6	.2	7	1	-	-	-					-,	-	-	
125:1	Hillingdon WHH -	6029 6178	10802 5225	8 3	1.	1 ~	_	-				_	-		-	-	1 -	
8	Hayes wHL	14587	11528	13	4	2	3 .		-	-		. "	-	-	-	. 1	1	
126: 1	Isleworth WHH - Twickenham H-	7008 2477	22727 12479	15	7 2	1	5	-	-	1	-			-	_	2	-	
8	Brentford HL	4845	27649	20	9	8	3		,-			-	1		, a= ,		1	
5	Chiswick	1340 6088	15975 22876	16 20	6	2 2	1 2	_		-	1	1				1	-	
127:1	Harrow H	13809	12796	11	2	1	2	-		-	- ,		-	-		· ·		1,
2 3	Edgware H Willesden	6994 4888	3749 27453	2 48	14	7	1		-	-	-	2	1 -			2	-	
17.4	Hendon W	8382	10484	7	6,	2	1	, - 2 ,	-1	4.5	-	1	-	-	-		4	
187:1	Bushey	9881	6621	8	4	<u>-</u> 2	2	3.1	-	1				-		-	-	
128 : 1	Watford (W, pt. of) -	15199	6391	3	1		1					_	: ·		-	-	-	1
. 3	Barnet	54 88	10092	6	6.	1	3	-	-	-,	-	-	-	-	-	-	4	
135 : 1	Finchley HL Hatfield (part of) * -	4638 3806	17615 588	11	15		5		-	-	-	-	-	-	2	2	7	1
128 : 1	Hornsey H	3039	37078	26	1 13	3	-6		-	-	_	_		1	-	-	-	
3	Tottenham H	4642 7488	46456	60	21	6	5	-	2	-	2		1	-	-	2	2	
4	Edmonton Ww - Enfield WH	12653	23463 19104	12 23	11 5	1	1	-	1	-		-	-	-	2	-	3	
5		11017 8480	5868 7785	2	2	-	-	-	-,;	-	-	-	-	-	-	-	-	
186:1		882	38606	32	14	4	5	1 2	-	-		2	1	-	-	- 2	-	
, 2	West Ham wwH -	4055	90847	110	40	12	. 7	-	-	1	-	2	1-	-	8	4	-	
8	East Ham ww Leyton WwL	329 6 4372	10706 32430	23 54	25	2	9	-	-	-	3	1	-	-	-	-	1.5	
5		6520	28869	45	22	.5	4		2	-	1	2		-	1	2	-	
187:1		11761	9669	3 -	8	1	1	-	-	1-	-	-	-	I	1 -	-	1	
189:1	Romford (part of) * W	6730	3411	1	1	-	-	-	-		-	-	-		-	-	-	
2 3		8493 4127	7645 9208	9	9	5	-	-	-	-	2	1		-	1-	-		
1 . 3	1000	Arm!	2200	1 10	1 9	1 0	2	1	1 -	-	1 -	1 1	1 -	1	1	1	1	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows * The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer king are as inlow 20: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1255); 37:1, the parishes of Warfingham and Farley in Godstone at district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1983); 41: 1, Bromley sub-district, except the parish of Chelsfield (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 1818); 41: 3, Chislehurst sub-district, except the parish of Theydon Bois (pop. 375): 188: 1, the parish of Northaw in Hattle sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375): 188: 1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Darfferd, 137: 2, Watford, and 187: 2, Explusive of deaths of London residents in 4 Exclusive of deaths of London residents in 4 Exclusive of deaths of London residents in 5 Exclusive of deaths of London Residents in 8 Example 11 (see Table 5).

Asylum Hospital Winghamors Hill (see Table 5).

Asylum Hospital, Winchmore Hill (see Table 5).

On 1st January the two parishes of East Ham and Little Hearl were separated from the registration sub-district of West Ham, and we constituted the registration sub-district of East Ham.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 29th March, 1890.

			ANNUA	L RATE			The DE	ATHS	regi	etôred	l in t	he W	eek i	includ	le	
G 10 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Area in Acres,	Estimated		TALITY 0 living.	DEATHS	Deat	hs of			1	Death	s fro	m			Public
GREATER LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Deaths in Pr
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
REATER LONDON	448,334	5,758 500	17.7	2.2	1959	448	481	-	54	12	41	114	12	14	73	431
INNER LONDON -	77,410	4,421,661	18.2	2.4	1571	366	360	-	45	10	30	101	8	13	61	377
OUTER RING -	370,924	1,836,839	15.1	1.6	388	82	121	-	9	2	11	13	4	1	12	54

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 5 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,220,308 Persons.

						DE	ATHS	FROM	PRINC	ES.	ZYMOT	
CITIES.	Population (enumerated or estimated).	DATE OF RETURN. Week ending	Births. Exclusive o	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
ALCUTTA OMBAY IADRAS	433,219 773,196 398,777 { 2,260,945 477,288 406,302 { 156,497 { 307,000 228,218 138,300 924,106 1,526,887 675,276 269,250 324,143 298,000 822,176 314,425 463,017 160,092 415,498 {	February 15 March 4 January 7 March 22 " 22 " 15 " 22 " 15 " 22 " 15 " 22 " 15 " 22 " 15 " 22 " 15 " 15 " 15 " 15 " 15 " 15 " 15 " 15	323 283 263 1273 258 286 263 156 169 108 116 220 148 39 455 157 209 241 574 	319 512 291 296 1106 172 178 184 96 100 59 56 161 103 86 531 685 274 105 171 188 523 149 309 105 306 532	38.4 28.7 37.9 38.5 25.4 18.4 22.8 21.0 24.5 25.5 19.6 27.3 23.5 32.3 30.0 23.3 24.8 20.3 29.0 32.8 33.1 24.7 34.7 34.1 38.4 41.7	[Rem/S] 33 4 3 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 9 12 13 35 1 1 2 2 8 12 - 5 5 3 2 2 3	1 3 8 1 1 5 5 1 1 3 3 1 1 3 5 5 5 5 5 5 5 5 5	1 1 2 9 9 48* 1 5 3 3 4 4* 11* 8* 9 7 7 13 5 5 9 3 3 3	000 OHA	70 192 799 75 9 3 1 - 1 1 2 4 8 1 1 2 6 5 6 5	102† 30† 28† 48† 49 12 - 1 1 1 - 4 4 3 38 33 11 16 20 1 31 2
TURIN (8 days) - VENICE - CAIRO ALEXANDRIA - NEW YORK - BROOKLYN - PHILADBLPHIA - BALITIMORE - NEW ORLEANS -	314.827 156,515 374,838 231,396 1,595,547 852,467 1,064,277 500,343 254,000	February 28 March 15 , 6 , 0 , 8 , 8 , 8 , 1	179 66 408 222	178 113 356 173 696 332 411 195 149	25.8 37.6 49.5 59.0 22.7 20.3 20.1 20.3 30.6	13 - 2	11 1 7 16 -	9 1 - 1	3* 1 2 32 24 14 6 2	3 - 11 4 1 2 -	23 9 3 1 15 2	8 86 35 9 2

^{*} Including deaths from croup.
† Including 62 deaths from cholera in Calcutta, 2 in Bombay, and 1 and 2 respectively in Madras.
‡ Including 5 and 4 deaths respectively from malarial fever.

TABLE 9.-METECROLOGICAL OBSERVATIONS taken at the ROTAL OBSERVATORY, GREENWICH, during the Weck ending Saturday, MARCH 297H, 1890.

										1ete	orolo	gw	at Oo	servano)768.						
		02000		0.9	8.8	4.2	0.9	0.0	0.0	0.0	9.8	72	a; n	r, are ssion and ding	mum e sir uced	aphic	and s	and the	The snd	show o the	00 in.
	Rain	in a Gauge	surface is 5 inches above the Ground.	in. 0.10	0.57	\$0.0	00.0	00.0	00.0	00.0	Sum 0.41	. 26	of the sea;	mometer n a discu arometer mean rea	re of the are ded	photogra	1875. "higher,"	Fo feet be Deptford, ons from	rometer.	rument,	eek to 29
		on's.	Dépar- ture from Average of 16 Years.	Miles.	+ 17	+ 30	+120	28 +	-100	1 59	Sum +204	25	in level o	oulb ther uced from for the biorrected	mperatur numidity by Glais	n of the	ending 1	rket at I nstruction	ng Electi derate; s	nine Inst	g of the w
	ço,	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	319	331	420	38	199	240	Sum 2309	24	e the mes	the wet bions deding 1873	ue of tell gree of h	discussic	16 years hat + in	attle Ma under i	Thomson's self-registering Electrometer. wiive; w. weak; m. moderate; s. strong	es Sunst e unders	beginning
	nometer		an 24 mily s. s.	lbs. 0.6	\$.0	8.0	9.0	8.0	0.0	0.0	:	23	sea lev	correctant and ars end ers. W	ly valued and determined there	rom a	for the	pendecreign Carket,	vs self	ell-Stok	at the
	m Aner	Pressure on the	Least.	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	23	159 fee uce to	ion of nty ye	an dai	rived f	cords ne in	are sus he Fo the M	ve; w	ampbe h day.	.61 in.
	uced fro	Pressi	Great.	lbs. 4.3	61 70	4.2	10	5.4	0.1	4.:	:	21	eter is	thern oplication the twe	emper od we	nat de	etric re	s of t	om Th	the Con eac	rom 29 in. b
	Wind as deduced from Anemometers.	Osler's. General Direction.	P.M.	SSWR	SSE. # SSW.	WSW.	WSW.	SW.	S. & SSW.	WNW. & WSW.	wsw.	20	The height of the cistern of the barometer is 189 feet above the mean level of or precion has been applied to the readings to reduce to sea level. Observations are negality taken at 60, 4 M.; noon: 80, P.M.; and 90, P.M. The means to the contractions are not set to the contractions are not set to the contractions are not set to the contractions are not set to the contractions are not set to the contractions are not set to the contractions are not set to the contractions are not set to the contractions are not set to the contractions are not set to the contractions are not set to the contraction and the contraction are not set to the contracti	Occortaints for presently cancer at the dry bulb thermometer, and the wet bulb thermometer, a use eye-readings of the branneler, the dry bulb thermometer, and the wet bulb thermometer, and converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the brancheser, and during the twenty years ending 1883 for the thermometers. With the corrected during the twenty years ending 1880 for the thermometers. The discussion of the brancheser, and during the twenty years ending 1880 for the thermometers. With the corrected mean reading during the twenty years ending 1880 for the thermometers.	the try burn a thermometer is commised and any value of temperature of the and minimum thermometers, forming the mean daily value of temperature of the air and minimum thermometers, forming the mean daily value of the properties of the common of the mean daily value of the dry and were burned to the mean daily value of the dry and web bulb thermometers by claishers Hvzn	metrical Tables. The average temperature of the air is that derived from a discussion of the photographic	of the air from a discussion of the anemometric records for the 16 years ending 1875. In reading the columns 9 and 26 it will be borne in mind that + indicates "high—"consey," than the average.	The thermometers in the water of the Tranega are suspended at a deptr of two feet below the surface, at the end of one of the jettles of the Foreign Cattle Market at Depterd, and their readings are registered by the Clerk of the Market, under instructions from the	τ is derived from Thomson's self-registering Blectrometer. The positive; N. negative; w. weak; m. moderate; s. strong; and	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the	civil day, or from midnight to midnight. The reading of the baroneter decreased from 29 '61 in, at the beginning of the week to 29 '00 in, by on, y, w on the 24th; increased to 29 '91 in, by 9h, 2.M, on the 27th; decreased to 30 '74
yal.]			A.M.	SSW. & SW.	WSW. & S.	SSW. &	WSW. &	SSW.	SSW.	SSW. &:	SSW. &	19	the cistern een applied t	the baromete mean daily v phic records ity years end	thermometer thermometer he mean dail daily values	temperature	a discussion on the average	The thermometers in the waithe surface, at the end of one their readings are registered	Corporation of London. The record of Electricity symbols employed are:—P. v. variable.	in column 25 luration of br of all the me	ty, or from midnight reading of the barome
ter Ro	E E	Of the Water of the Thames at Deptford.	Low-est.	43.8	44.2	7.77	44.1	45.8	7.97	47.4	45.3	18	ight of	ngs of into otogra	mum (8). T	Tables erage	from ling th	ce, at	cord cemplo	egate c	ading
tronon	RATUB	Of the	High-	45.1	45.5	45.6	46.5	1.14	48.1	49.0	46.7	17	The he	readi nverted the ph	d min	The av	the air	The the surfa	The remporary mapped in the control of the control	The nie aggr The re	vil day
the As	TEMPERATURE.	Of Radiation.	Lowest on the Grass.	37.8	20.4	33.2	34.0	8.44	37.0	31.5	35.6	16	00	G 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			and band	446	with S. S.		ci
nce of			High- est in Sun's Rays.	91.4	85.2	6.011	9.011	6.14	128.8	0.96	1.001	15			dy after-	rds; fre-	oudy a		fine, w	till even-	,1
ntende		Degree of Hu- midity (Satu-	ration equals 100).	*2	90	80	73	16	83	98	84	14	KS.		es clou	afterwards;	ally, el		ry war	cloudy till	
Superi	tween	erature oint ure.	Least.	0.6	0.0	0.0	2.0	0.0	0.0	0.0	0.2	13	REMARKS	rain.	norning evenin		g; part night.		erwards A ve	generally	
Under the Superintendence of the Astronomer Royal.	rence be	the Air Temperature and Dew Point Temperature.	Great-	0.8	6.9	14.6	18.1	6.5	15.7	80	11.3	12	AL RI	equent	lo in rain till	ning; c	mornin		ng; aft ar halo		e.C
Unde	Diffe		Mean daily value.	0.4	2.4	6.9	8.4	9.7	2.5	4.0	8.4	11	GENERAL	Generally cloudy; frequent rain.	olar 'ha	Fine in early morning; cloudy quent rain from afternoon.	early 5		Overcast in morning; afterwards very fine, 'little light cloud, Solar halo, A very warm day.	mornin at nigh	,
		Of the Dew Point.	Mean daily value.	0 41.7	40.1	41.5	2.15	6.8	2.09	6.44	44.2	10	3	ally clo	with so	in earl	less in evening	ast.	ast in ght clou	lless in oudless	
	RE.		De- parture from Average of	0 +	8.0 +	+ 4.8	4.7.5	4 8.2	+12.2	+ 2.1	+ 6.3	6.		Gener	Fine with golar halo in morning; cloudy wards, with frequent rain till evening.	Fine quent r	Cloudless in early imorning; partially, eloudy fine till evening; overcast at night.	Overoast	Over Ortificial	Cloudless in morning; ing; cloudless at night.	
.:	TEMPERATURE	Air.	Mear daily value,	9.94	42.8	47.1	20.1	51.2	62.3	48.9	0.65	00	n above orizon, hours.	12.3	12.4	12.4	12.5	12.6	12.6	12.1	Sum 87.5
	TEMP	Of the Air	Daily Range.	0.01	13.1	15.4	20.6	7.4	20.8	16.6	14.7	7	ine, H								
			Low-est.	42.8	36.1	41.1	8.0%	48.3	0.8%	2.15	42.6	9	Registered Sun above Sunshine, Horizon, in hours.	1.8	1.0	1.0	·4	0.0	Ţ,	9.6	Sum 14.6
72			High.	52.3	49.5	57.1	6.09	22.4	8.89	27.2	57.3	10	I. n of te.)	ning;	ning; w.P.	•	ning;		ning;	rning;	
	BARO.	Mean daily reading		in.	29.504	29.535	29.697	29.889	r. 29.848	e. 29.80 6	29.292	4	ELECTRICITY. (For explanation of symbols, see Note.)	m. P. in morning; v. N. and v. P. atter- wards.	m. P. in merning; s. N. till evening; w. P. at night.	w. P. generally	m. P. in morning; v. P. afterwards.	W. P. generally	w. P. in morning; m. P. afterwards.	m. P. in morning; w. N. and w. P. after-	
		Phases	Moon.	:	:	:		:	First Qr.	Apogee.	:	00	(For	v. N.	s. N. t	W. I	v.P.	₩.₩	m. P.	ä. K	wards
1		.00	L AND	CH.	- 24	. 25	38	127	. 28	8		Col.	E.	- 253	. 24	. 25	AX 26	. 27	. 88	- 81	
		1890.	Month and Day,	SUN.	Mon.	TUBB.	WED.	THURS.	FRI.	SAT.	MEANS	No. of Col	DATE. MARCH.	SUNDAY	MONDAT	TUESDAY	WED NEEDAY	TRUREDAY	FRIDAT	SATURDAY	
				-	-	_	-						_			-	_	-			

WEEKLY RETURN

OF.

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 14. 1890. Vol. LI.]

WEEK ENDING SATURDAY, APRIL 5.

Price 11d.

General Register Office, Somerset House, 8th April, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.3 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks ending	3.1		Wee	ks ending
Towns.	Mar. Mar. Mar. A 15. 22. 29.	Apr. 5.	Towns.	Mar. Mar. 15. 22	r. Mar. Apr. 29. 5.
Birkenhead	14.4 18.4 19.4 1	2.9	Liverpool	26.0 23	2 22 3 24 1
Birmingham	23.8 21.0 22.4 2	20.9	London		3 18.5 16.7
Blackburn -	35.9 28.3 27.9 2	4.1	Manchester -		5 31.9 28.6
Bolton -	37.8 26.6 19.4 2	3.9	Newcastle-on-Tyne		3 28.8 27.8
Bradford -	24.1 24.1 24.9 2	0.6	Norwich		4 26 2 19 7
Brighton -	20.7 17.7 28.7 1	6.4	Nottingham -	1 20 2 1 -0	6 17.9 14.1
Bristol -	26.0 24.2 19.1 1	8.0	Oldham	120 - 1	4 21 · 3 22 · 7
Cardiff -	20.9 23.6 20.9 2	$2 \cdot 7$	Plymouth	27.1 21.	2 21 · 8 27 · 1
Derby -	24.8 17.1 21.7 2	0.2	Portsmouth	كالشبط النفاتك بأسا	9 20 8 16 8
Halifax -	29.9 26.1 23.5 1	9.1	Preston		$8 23\cdot 3 22\cdot 3$
Huddersfield	20.5 24.3 20.5 1	0.5	Salford -		8 26:7 18:1
Hull - '-	$ 22 \cdot 2 25 \cdot 1 23 \cdot 7 1$	9.3	Sheffield	33.4 28.	0 29.3 23.3
Leeds -	27.4 26.2 22.6 2	4.2	Sunderland -		3 21 8 24 4
Leicester -	20.3 14.5 22.6 1	5.5	Wolverhampton -	21.9 28.	8 19.4 25.0

The highest annual death-rates, measured by last week's mortality, were:—from whooping-cough, 1·0 in Derby and in Newcastle-upon-Tyne, 1·2 in Liverpool, and 1·3 in Bristol and in Salford; from measles, 1·6 in Liverpool, 3·3 in Plymouth, and 4·7 in Derby; and from "fever," 1·1 in Sunderland. The death-rate from scarlet fever did not reach 1·0 per 1000 in any of the twenty-eight towns. The 37 deaths from diphtheria included 20 in London, 5 in Salford, 2 in Manchester, and 2 in Sheffield. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2329 births and 1419 deaths were registered. Allowing for increase of population, the births were 576, and the deaths 362, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the four preceding weeks from 22·3 to 18·5, further fell last week to 16·7. During the thirteen weeks of last quarter the death-rate averaged 23·6 per 1000, exceeding the mean rate in the corresponding periods of the ten years 1880–89 by 1·0 per 1000.

The 1419 deaths included 35 from measles, 8 from scarlet fever, 20 from diphtheria, 84 from whooping-cough, 2 from enteric fever, 1 from an ill-defined

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

form of continued fever, 10 from diarrhoea and dysentery, and not one from small-pox, typhus, or cholera; thus, 160 deaths were referred to these diseases,

being 64 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 16; 4 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had been 45 in each of the two preceding weeks, fell last week to 35, and were 22 below the corrected average; 4 belonged to Fulham, 4 to Islington, 4 to Shoreditch, and 5 to Battersea sanitary areas. The fatal cases of scarlet fever, which had declined in the three previous weeks from 18 to 10, further fell last week to 8, being 12 below the corrected average; 2 belonged to Fulham and 2 to Islington sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1087 scarlet fever patients at the end of the week, the numbers in the thirteen preceding weeks having declined from 1609 to 1083; 86 cases were admitted to these hospitals during the week, against 87 and 91 in the two preceding weeks. The deaths from diphtheria, which had been 23 and 30 in the two previous weeks, declined last week to 20, exceeding, however, the corrected average by 2; 2 belonged to Islington, 2 to Shoredich, 4 to Bethnal Green, and 2 (admitted to hospital from one house in Cowley Street) to St. Georgein-the-East sanitary areas. The 84 deaths from whooping-cough showed a decline of 17 from the high number in the preceding week, but were 2 above the corrected average; 5 belonged to Kensington, 9 to Islington, 5 to Hackney, 8 to Bethnal Green, 5 to Mile End Old Town, and 5 to Wandsworth sanitary areas. deaths attributed to diarrhaa and dysentery, which had numbered 14 and 13 in the two previous weeks, further declined last week to 10, and were 4 below the corrected average.

The deaths referred to enteric fever, which had been 7 in each of the two preceding weeks, declined last week to 2, being 10 below the corrected average; both deaths belonged to the East group of sanitary areas. The Metropolitan Asylum Hospitals contained 72 cases of enteric fever, and one of typhus, on Saturday last; 4 cases of enteric fever were admitted during the week, against 12 and 9

in the two previous weeks.

The deaths primarily attributed to influenza numbered 10 last week, having been 11, 17, and 13 in the three previous weeks; 6 occurred in the South and 3 in

the North groups of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had declined from 510 to 375 in the four preceding weeks, further fell to 296 last week, being

147 below the corrected average.

Different forms of violence caused 36 deaths, concerning all but one of which inquests were held. Of these 36 deaths, 5 were cases of suicide, while the remaining 31 were attributed to accident or negligence. Of these, 2 were caused by horses or vehicles in the streets, 3 by burns or scalds, 5 by drowning, and 9 (of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3035 births and 1852 deaths were registered, corresponding to annual rates of 27.5 and 16.8 per 1000 of the estimated population. In the Outer Ring 23 deaths from whooping-cough, 11 from measles, 9 from diphtheria, and 6 from diarrhea were registered. The deaths from whooping-cough included 5 in West Ham, 2 in East Ham, 3 in Walthamstow, and 4 in Edmonton sub-districts. Six deaths from measles, and 2 from scarlet fever, were recorded in Croydon, and 2 from diphtheria in Willesden sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.98 ins.; the highest reading was 30.19 ins. on Tuesday morning, and the lowest 29.83 ins. at the end of the week. The mean temperature of the air was 43.8, and 1.98 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on every day except Sunday, the greatest deficiency being 6.1 on Wednesday. The general direction of the wind was North-Easterly, and the horizontal movement of the air averaged 8.9 miles per hour, which was 3.4 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine was 59.8 hours, against 69.1 hours at Glynde Place, Lewes.

TABLE 1.-BIRLES, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 5th April 1890.

	CITIES	AND BOROUGHS,	Cols.	- 28 TOWNS.	LONDON.	PORTSMOUTH.	NORWICH.	BRISTOL.	WOLVERHAMPTON.	L'PICECTER	Northweham.	Derby.	BIRKENHEAD,	LIVERPOOL.	HOLTON,	MANCHESTER,	OLDHAM.	BLACKBURN.	PRESTON.	HALIFAX.	Driver	DEADFORD.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIPF.	EDINBURGH.	GLASGOW.	DUBLIE.
447.7		In Centil- metres.	24.	0.00	00.0	1	0.00	0.03	00.0	8	0.00	3 1	,	1 .	1	,	8 8		ı	8 1 8			4	00.0	1	00.0	1	00.0	0.21	0.12
RAINPALL		ln Inches.	23.	0.00	00.0		00.0	0.01	00.0	8 1 − 1	00.0	3 1	8	4		1.	, 1	. , #	8-	1 1	0000	3	1	00.0	1	00.0	1	0.00	0.50	90.0
E AIR.	Mean.	.ebsrgitne	22.	5.44	6.26	1, 1	1.0.4	5.55	4.55		4.56	1	. 1	Å	,	•		- 87	*		i i	0 10	1	4.11	1	28	1	68.4	1.20	6.28
OF TH	Me	·tiədnərds'	21.	41.8	43.8	E I	48.1	41.4	9.68	8	40.6	3 1	1	. 8	!				4	1 1	-	F 75	1	\$.68	. 1	41.5	•	46.2	45.8	43.8
RATURE	.3	phoit Lowes	20.	23.2	81.8	1	0.98	27.2	26.5	•	6.8	3 1	1		4	1		1 - 1	,	8 1		7	1	0.97	ı	33.0	1	9.08	0.08	25.2
TRMPERATURE OF THE AIR.	.38	Fahrenheit Lowes	19	0.19	0.19	la I			54°8		1 .00		1		3	, 1.		1 0	1	R- 1		22.0	1	59.0	•	0.19	1	62.3		9.29
-	the the Deaths	From Diseases in Cols. 6-12.	18.	1.9	1.0	0.0	6.6	2.0	9.0	0.7	9.0	2.9	0.2	3.0	6.0	1.8	0 10	. es	0.0	9.0	2 1	1 5	61	4.0	2.7	1.3	1.3	8.9		2.02
Annual Rate per 1006,	corresponding to the Week's Deaths	Wrom All	17.	19.3	16.4	16.8	27.1	18.0	25.0	20.2 20.2 20.2 20.2 20.2 20.2 20.2 20.2	14.1	20.5	15.9	24.1	F. 27	28.6	22.7	24.1	22.3	2.01	9.00	24.2	28.8	19.3	54.4	8.12	4.73	23.5	27.0	9.97
-	'q; 8:	ofitteenU offices	16.	74	02 %	3 63	; ;		H :	∞ ₋	- 1	H	-1	15	ı	-	7 6	3 1-1	1				4 6:	_	1	_	7		31	
	- 9	Deathain Sildud Toitutiten	15.	703	362	12.	. 9	16	24 7	00	- 00	01	4	10 80	10	80 0	07	10	00	20 M	9	14	67	00	11	1Q	10	21	34	29
		eaU tasupul	14.	228	50 e	1 111	23 63	9 1	٦ ،	13	F 00	3	г	14	47	21	- 4	63	73	1 -	4	- F	1 9	63	70	13	L-s	a.	••	1/2
nde		·9onelofV	13.	116	36		ea 1	1	1 2	- C	2 5	. 1	-	13	93	9	24 0) ,	89	1 0	0		- 10	-	•	41	4	9	9	4
The DEATHS registered in the Week include		-amdrrai(I	12.	56	9 1	. 1	1 1	49	1 .	41	1	1	1	67	-	67	1 0	1 61	8	-	1	က ေ	٦,	-	1	å	-	63	63	•
he We		Ferer.	11.	19	၈၁၂	1 ,	- 1	-	1 -	- I	1	7	ı	123	1	1 ,			1	1 :		67 -	4 1	-	00	-	•	~	1 10	13
ed in	from	Whooping-	10.	145	₩ c.	1 1	1 -	9	1 (9	1 00	6.0	-	14	-	41	9 0	a 1	1	1	_	1 4	e 00	-	Н	60		10	17	70
egister	Deaths from	Diphtheria.	9.	37	20	H	1 -	4 8	k	å r	- 1	-	1		1	61	, to	1 4	4	1 1	-	1		1 4	-		=	6.3	-	н
ATES I		Searlet Fever.	œ l	34	00 1		1 1	8		- CI	٠ ،	- 1	1	4	1	ල <u>.</u>	- 0	9 74	1	1	4	1 -	- 1C	1	63	1	-		7	•
be DE		Messies.	7.	03	35	1 1	1 10	1	-	9	1 1	6		19		63	1	8 8		4	1		00				1	-	33	9
H		.xoq-lism8	6.	1	1 1	1	1 1	, 1	1,	1				ı	1	1	1	1 1	•	1	1	1	1	1	1			,	1	1
	ne of	ersons aged 60 Years and upwards.	Ω.	826	340	14	13	171	10	64 :	11	9	4	88	14	43	17	2 .00	7 =	2	iĢ	38	9.4	29	15	19	6	66	3 2	115
	Deaths	fants under l Year of Age.	4	771	810	» ::	6	23	10	တ္တ	13	150 o	0 10	90	6	33	20	16	9 9	4	42	18	* °	3 65	13	22	12	27	8	29
during	andirg 1800	EATHS.	60	3601	1419	46	8	08.	40	185	46	99 02	26	284	. 253	\$03	84		45	19	30	95	140	79	79	87	51	199	275	180
Registered during	the Week ending	BIRTHS. DEATHS.	01	5345	2329	848	22	112	41	259	94	154	9 59	332	. 67	822	132	26	98	07	20	125	155	117	8	96	96	145	367	213
-	74	to the middle of the Year 1650.*	1.	6,715,559	4,421,661	123,659	95,352	78,780	83,406	461,865	154,344	244,909	105,041	613,463	115,816	879,437	242,509	146,716	105,163	94,253	82,034	240,515	263,789	213,833	126,506	162,967	117,012	271.135	\$30,208	353,082
			Cols.		٠	• •	•		MOL	•		. !		•	•	•	•	• •	•	. 07	•			•	•					
	BOLLOLL.	AND BORUCGES.		28 TOWNS	LONDON	BRIGHTON .	NORWICH .	PLYMOUTH .	WOLVERHAMPTON	BIRMINGHAM	LEICESTER .	NOTTINGHAM	DERBY . DIRECTOR	LIVERPOOL .	BOLTON	MARCHESTER	SALFORD .	OLDBAM .	PRESTON .	HUDDERSFIELD	HALIPAX	BRADFORD .	SHEFFIELD	HULL .	SUNDERLAND	NEWCASTLE .	CARDIFF	EDINBURGE .	GLABGOW	DUBLIE .

TABLE 2. LONDON .- Births and Deaths Registered in the FOURTEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females :	2956	2612	2458	2928	2711	2473	2700	2538	2588	2676	2905·0	2329
	1538	1318	1217	1490	1377	1228	1378	1310	1805	1408	1478·6	1204
	1423	1294	1241	1438	1384	1250	1322	1228	1283	1268	1426·4	1125
TOTAL Deaths Males Females ,	1532	1532	1596	1940	1689	1859	1578	1437	1593	1572	1780·5	1419
	802	792	828	1008	845	971	780	752	841	807	918·8	720
	730	740	,768	932	844	888	798	685	752	765	861·7	699

^{*} The numbers in this column are the average weekly numbers in the fourteenth weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

1	Jan. 11.	Jan. 18.	Jan. 25.	Feb.	Feb.	Feb. 15.	Feb. 22.	Mar.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr.
TOTAL Births -	2818	2714	2510	2699	2707	2793	2702	2561	2536	2717	2534	2543	2329
TOTAL Deaths -	2747	2720	2227	1849	1749	1809	1847	1802	1889	1771	1637	1571	1419
Ages at 20-40 , 40-60 , 60-80 , 80 years & upware	939 367 670 640 131	909 450 666 576 119	775 349 510 503 90	703 282 369 390 105	714 238 334 363 100	763 218 357 390 81	753 256 363 374 101	739 234 324 418 87	798 226 348 428 89	776 196 303 404 92	729 193 296 342 77	743 204 264 309 51	657 183 239 285 55
Under 1 year 1-5 5-20	- 430 - 375 - 134	415 344 150	386 294 95	350 250 103	\$72 254 88	352 306 105	393 259 101	367 263 109	394 294 110	392 271 113	381 270 78	366 304 73	310 253 94
Deaths from Small-pox " Measles " Scarlet fever " Diphtheria " Whooping-cou " Typhus " Enteric fever " SimpleContafe " Diarrhœa an " Dysentery " Cholera " all the above mentioned Disease	rer 11 12 12 12 12 12 12 12 12 12 12 12 12	24 22 22 22 104 - 14 1 6 -	21 10 22 82 1 10 - 14	11 14 24 67 - 9 - 134	8 19 24 91 - 2 - 4	21 14 89 115 12 1 6	1 14 13 27 103 - 8 1 21 - 188	19 14 24 97 7 1 12	35 12 19 95 - 4 1 9	35 18 25 86 - 3 1 14 -	-45 11 23 76 -7 - 14 -	-45 10 30 101 -7 1 13 -	35 8 20 84 2 1 10 -
" " " Dis. of Respira tory Syster " " Phthisis - " " Dis. of Circula	267	1010 312 209	736 239 193	550 220 116	485 209 154	439 215 143	452 218 162	492 224 146	510 206 163	447 164 145	381 169 148	375 154 120	296 180 114
Violent Deaths Inquest Cases - Deaths in Public Institution	55 192	65 171 626	60 142 491	62 127 471	58 125 401	56 137 436	77 143 434	52 134 425	65 120 406	76 162 390	49 115 406	61 117 377	36 85 362
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	- 47·6 - 52·4 - 43·0	50.6	42.7 48.4 36.9	42.9 48.3 38.2	37·1 42·7 32·0	95.9 41.7 30.8	39·4 43·9 35·9	35:4 42:0 30:4	36·4 43·6 29·0	45·3 54·0 37·6	43·3 52·0 36·0	49.0 57.3 42.6	48·8 54·9 33·1
Humidity of the Air - Rain-fall in inches - Registered Sunshine (in hou	- 89 0·40 rs) 10·1	1	84 0·77 14·9	90 0·73 8·9	89 0·05 9·5	87 0·88 31·2		87 0·22 9·7	69 0·33 12·1	79 0·24 28·1	82 0·81 21·5	84 0·41 14·6	72 0·00 59·8

METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Smpson, Esq., Wrottesley, Wolverbampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingnam: J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsbrough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull: A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderlaud; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON .- DEATHS Registered at several groups of Ages from different Causes in the

					F	OUR!	ree	NTE	ı W	eek of the Year 1890).			0.1	0 10 14			~	
	years	,	In	the irday	Wei	ak en h Ap	ding ril 18	90.			for the		Sat	In thurda					
	1 2 1		D	eaths t	of I		as of				te 10 y		D	eaths	of P		ns of		- CHALLAGO
CAUSES OF DEATH.	Averages ks of the 1880-89.*		1	Inder		ır 40.	. 60.	sr 80.	and	CAUSES OF DEATH.	Averages ks of the 1 1850-89,*		1. 1	Jnde	-	sr 40.	ır 60°	or 80.	and
	Week	AGE8.	-			under	under 60	under	y Years upwards.		Week	AGES,	-			under 40	under	under	Years
Jan Care	Corrected 14th Week	ALL	0=1.	1-5.	5-20.	2) and	to and	og and	on Xe		Corrected 14th, Weel	ALL ,	0-1.	1-5.	5-20.	20 and	40 and	in and	SU Ye
ALL CAUSES	1780.51	1419	310	253	94	183	239	285	55	Diseases of Organs of Special Sense † }	2.2	2	P.Fr. matmade.	-	1	1	-	-	-
Small- Vaccinated; Unvaccinated No Statement	}16.4	-	1 - 1 - 1	-	-	-	-	-	-	Diseases of Circulatory }	127.5	114	2	3	8	10	33	51	8
Measles	57.2	85	4	29	2	-	-	-	-	Croup	16.0	9	-	8	1	_	-	_	-
Scarlet Fever Typhus	20.3	8	-	8	-	-	-	_	-	Bronchitis Pneumonia	260'7 119'1 7'2	158 99 4	15	34 82	12 1	14 1	15	55 18 2	10
Relapsing Fever †	0.0	10	-	Œ.	1	4	2	3	-	Other Diseases of Respi- ratory System -	40.0	26	4	6	3	1	8	8	1
Whooping-cough	82·3 17·9	84 20	27	52	5	-	-	**	-	Dentition †	10.9	17	10	7	_	_	-		-
Diphtheria Simple Continued and	8.1	1		12	8	-	_	_	-	Quinsy, Sore Throat † -	.1'3 6'4	8 8	1' 5	1	-	- 2	2 2	1	-
Ill-defined Fever -} Enteric Fever	11.7	2	-	-	2	-	-	-	-	Peritonitis Diseases of Liver Other Diseases of	30.9	30 31	2 - 6	1	3	4 3	11 8	13	17
Cholera Diarrhœa, Dysentery -	0.3	10	4	3	-	1	-	2	-	Digestive System -}	80.0	01	-0		-		_	10	-
Remittent Fevert	0'5	-,		-		-	-	-	-	Diseases of Lymphatic } System & of Ductless }	2.1	2		1	_	_	1	_	-
Hydrophobia Glanders	0.0	-	-	-	-	-	-	_	-	Glands †)				-					
Cowpox and Effects of Vaccination † }	0.0	-	-	-	-	-		-	-	Diseases of Urinary }	88.3	34	1	2	1	10	12	8	
Venereal Affections - Erysipelas	12·2 7·2	14	10	-	-	2	2	1	-					-			-		
Pyæmia and Septicæmia †	3.4	4	-	-	-	3	1	-	-	Diseases of Generative }	7:0	5 2	-	1	~	2	3	~	- Colonia
Puerperal Fever Other Zymotic Diseases †	1.1	5	_	-	_	5	-	-	-	Accidents of Childbirth	4.3				-			-	
Thrush	1.2	1	1		_			_		Diseases of Locomotive } System + * - }	8.1	7	-	1	1	8		2	- 2
Worms and other Para-}	0.2	1	~	-	1	-	-	-	-	Diseases of Integumen-	5'1	5	2		1	1	-	í	-
Starvation, Want of ?	1.6									tary System S	- P		-+						-
Breast-milk †} Alcoholism	4.6	5	_			1	2	2	-	VIOLENT DEATHS.§						į			1
					-			-		(ACCIDENT.)	21.7	13	-	1	3	3	2	3	1
Rheumatism of Heart†	7.5	7	-	947	5	-	1	1	-	Fracture and Contusion Gunshot Wound Cut, Stab	0.3	-		4	-	-	-	1	-
Rheumatism †	3.7	4	-	-	-	1	-	3	1	Burn and Scald Poison	7°5 1°4 5°8	3 5	=	2	1	3	ī	-	-
Rickets † Cancer	4'6 51'6	3 60	1	2	-	7	28	-	-	Drowning Otherwise	16.2	9	9	18"	-	-	-	-	-
Tabes Mesenteriea -	25°2	17	11	4	1	-	1	24	1 -		-			-	-				-
Tubercular Meningitis - Phthisis	31'5 184'8	20 180	6	9	12	79	68	13		(Homicide.) Murder & Manslaughter	2.0			-		-	-	_	-
Serofula, Tuberculosis -	18.9	16	+	8	.5	1	~	-	-	manda a mandaughter									
Other Constitutional Diseases †	10.3	8	-	-	1	2	1	4	-	(SUICIDE.) Gunshot Wound :	1.2	2	-	in		-	1	1	-
Premature Birth	36.3	22	22	-		-	-	-	-	Cut, Stab	0.9	1	H	-	-	1 1	-	-	1 1 1 Distriction
Atelectasis † Congenital Malforma-	3.6	4	4	-	-	-	-	-	-	Drowning Otherwise	1.1	1 -		7.1	1,1	-	-	-	-
tions	58.6	6	5		1	-	-	20	27				-					-	-
			-	-					-	(Execution.)			Control of the Contro						_
Apoplexy Epilepsy	47°4 5°9	36 5	1 -	-	1	2	15 2	16	1	Hanging	0.0	-		_		-	-	-	-
Convulsions Other Diseases of Brain)	58.9	45	40	5	-	-	-	-	-	OTHER CAUSES †	60°7	53	45	5	1	. 1	1	~	-
and Nervous System	99.8	84	21	16	4	6	12	20	5										
6 (0)					-				-			an fami					00		

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9°043 per cent, for increase of population.

As the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified or registered untilised men. When medical attendant does not certify that the decessed has, or has not, poon vaccinated, or when the cause of teath is not corruded by a registered etitioner, the case is returned under the heading "no sate-neut."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent leath be the result of accident, murder, unlaughter, or smidde. All such cases are classed under "ascident or negligence.".

TABLE 5. LONDON. --POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLE during the Week ending

		-											duri	ng t	he V	Veek	end	lin
The second second	6040	range in	j .	2. The DEATHS registered in the West include														
	Enume-			Dea	ths of	Deaths from							1.	1 7	1			
REGISTRATION	rated		16.	7	60 ds.]		1	18 is	ľ	19	1	[1		Public ns.	138.63
SUB-DISTRICTS.	Popu-	BTH	DEATEP.	under f Age.	aged 60 ac upwds	٠		Wer.	à	109-		Fev	Fever			Cases		d Can
	1881	B.			IN S	l-po		et F	heri	ping	us.	ie	le con	hæs	100	Das	is in	tiffed
		Total	Total	Vear Year	Persons Years a	Small-pox.	Measles	Searlet Fever.	Diphtheria	Whooping-cougi	Typhus.	Enterie (o	Simple c	Distraces	Violence.	Inquest	leaths Institu	nce
Specification							-	-	-	-	-	- N	2.	-	1-	-	<u>a</u>	
LONDON	3,815,704	2329	1419	310	340		35	8	20	84	-	2	1	10	36	85	362	2
WEST DISTRICTS	669,638 905,947	346 516	263 289	53 54	71 63	• -	8	3.	6	14	-		- 1	8	7	13 16	88 59	
NORTH DISTRICTS	282,238	148	112	23	22	-	4 .		3	3	-		-	1.	. 3	. 10	34	1
EAST DISTRICTS -	692,738	489	280 474	66	52		6 10	2	6	27	-	2	-,	4 2.	10 12	25 21	73	
SOUTH DISTRICTS - METROPOLITAN ASYLUM HOS-)	1,265,148	830	1/4	114	132		±0	1	-	18	1 20	-		-	. 25	-	109	1
PITALS OUTSIDE REGISTRATION LONDON	***************************************						-	-		-		-		-	-	-	-	-
St. Mary Paddington WHH G.J. a.W.M.	69898	40	20	6	5	-	-	-	-	2	-	_	-	ī	ī	2	1	
St. John Paddington H - G.J. Kensington Town Ww W.M.	87330 120141	16 43	16	6	6	_	-	_	-	5	-	-	-	-	1	3	6	
Brompton H W.M. & C.	43010 7599	19	14	8 ~	2 2	-	-	-	-	-	_	-	-	-	1 .	2 -	5	
St. Peter Hammersmith H W.M. & G.J. Fulham Www - W.M. & C	64340 . 42900	47 56	23 37	5 12	5 6	-	3	3	-	2 -	-	-	-	ī	-	ī	14	
Chelsea North-west WHHHHH. C.	30396 24925	16 18	12 13	2	1 4	-	1	1-1-1	ī	2 -	-	-	-	1	1 -	1	2 7	
Chelsea North-east - C. May Fair WW G.J.	32807 30353	20	7	4	6		-				-	-	-	-	1	1	7	-
Belgrave WHHH C. St. John Westminster HHH - C.	59220 35496	26 15	26 8	2 4	8	-	2 -	-	-	2 -	-	-	=	-	1	1	10	1
St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J	24679 29941	7 12	11 10	2 2	1 5	-	-	-	1 -	-	-	-	-	-	-	1	8	-
St. Anne Soho HHHHHHHH - NR.	16608	7	5	1	1	-	1			-	-	-1	-	-	-	-	2	-
NORTH DISTRICTS. All Souls Marylebone HHHHH W.M.	267 59	15	"14 2	, 1	3	-	1	-	-	-	-	-	-	-	-	-	7	
Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone HH - W.M. WM.	14891 24809	9	9 3	2	1 2	-	-	-	-	1	-	-	i	-	-	-	1	-
St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone IIH - W.M. St. John Marylebone H W.M.	21118 33700 33633	17	6 7	1 2	î 1	-	ī	=	-	1	-	-	-	-	-	-	-	-
Hampstead WwwHHHH N.R. & W.M	45452	24	7	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH N.R.	89115 27729	18	5 11 9	2 1 2	3	-	-	-	2	1	-	-	-	=	-	-	5 8	-
Gray's Inn Lane HHH N.R. Somers Town H N.R. Camden Town WH + N.R.	30247 34369 17311	26	6 13	1	8	=	=	=	-	1	-	-		1711	. =		3	
Kentish Town W N.R. Upper Holloway WWwH N.R.	87487 67946	61	82	6 8	9 5	-	- 1	-	-	2	-	-	-	-	-	2	10	-
Islington South-west HII - N.R. Islington South-east N.R.	100976 61895	59	40 18	10	6 4	-	3	=	1	6 3	-	-	-	-	1 2	3 2 2	6	-
Highbury H N.R. Stoke Newington H N.R.	52048 22781	28	14	1 2	4 3	-	-	-	-	=	-	-	-	-	ĩ	1	-	-
Stamford Hill E.L. West Hackney H N.R.	9277 37610	9 24	9	.1	2 7	-	1	-	(=1)	- 1	-	-	-	-	-	-	-	-
Hackney WwwWH E.L.&N.R. South Hackney E.L.	76911 39883	55 20	40 6	7	7	-	-	2	8	4	-	-				3	16	-
CENTRAL DISTRICTS. St. George Bloomsbury N.R.	18891	9	6													1		
St. Giles South WH N.R. St. Giles North N.R.	16681 14864 13837	11	8	2	2	=	ī	-	-	-	-	-	-	-	-	1	1	-
St. Martin-in-the-Fields HAYN R. & C.	17509 7515	8	3 4	2	- 1	-	-	-		-	-	-		-	-		1	Y '20
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	8559	3	8	1	1	-	-	-	-	-	-	-	-	-	-	1	5	-
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W N.R.	18671 10706	7 1	8	1 3	3 2	-	-	-	-	E		_	-	-	-	-	1 4	-
Saffron Hill H N.R.	6583 17516	13	5 5	1	2	-	1 -	-	-	-	-	-	. 31	=	1	2	4	-
Amwell Clerkenwell N.R. Pentonville N.R.	19281 14773	15	6 2	2 1 1	2	-	1	-	-	-	=	-		5		1	-	-
	17506 11541 18628	9 10 14	3 2 7	1 3	1 1	-	-	-	-	-	-	-	-	ī	1 15.17	2	-	-
Whiteeross-street N.R. Finsbury N.R.	9217 7463	8 3	5	2	1 -	-	-	-	-	-	-	-	-	-	-	-	-	-
Holborn Union Workhouse, Mitcham, w.	11174	7	- 5	-	1	-	-	-	-	1 -	-		-	-	-	-	-	-
St. Sepulchre H N.R.	7193 5358	1 2	20	-	1	-	ī	-	1	1	-	-	-	= 1	-	-	- 1	
Alibaliows Barting N.K.	8396 18666	3	1		-	-	-	-	2 -	1		-	-	=	2	-	18	9 6
Broad Streat H N.R.	5652	2		and the same of	-		-	-	-	-	-	-	=	-	=	= }		

NOTE—The Malie letters placed against the names of the sun-districts denote Public Institutions situated increm, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Frivate Lunatic Asylum in which paupers are received; 10—Workhouse Establishment receiving immates from other: Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sun-districts:—G. J. significs Grand Junction Company; W. M. West Middlesex; G. Cheises; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

R, DIPPTHERIA, WHOOPING-COUGH, FEVER, DIARRICEA, VIOLENCE, &c., registered in each Sub-district day, 5th April, 1890.

				The DEATHS registered in the Week include														
	Enume-			Deat	hs of												1.	
REGISTRATION	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intanta under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or l'yphoid) Fever.	Simple con-	Diarrhas.	Violence.	Inquest Cases.	Deaths in Public	Uncertified Causes of French.
7		1	7												-	_		-
EAST DISTRICTS. teh South† HL* - N.R. New Town ω N.R. Old Town N.R. ston WH N.R. & E.L.	22843 29937 28036 46275	7 17 20 37	.5 14 12 27	2 1 2 1	2 0 2 6	1111	4	1111	1	1 - 2 -	1 1 1 1 1000	1111	1111	111	1	- - 2 1	1 5 10	1111
Green North H - E.L. Green East WHL^* - E.L.	51157 34399 4140 <i>5</i>	41 28 33	20 15 13	9 6 2	3 1 1	1 1 1	-	1 1 1	1 -	1 4 3	-	ī	111	1.12	1 -	4 -	3	
dds - E.L. & N.R. apei Church H E.L. & N.R. ar's Fields - E.L. N.R. & E.L.	22585 15478 17490 9713 6102	11 15 12 6 6	5 11 23 4	1 2 2 -	184011	11111	4111	nin.		1 2 -	11111	14111	1111	11111	- 2 - 1	2	5 22 -	11111
rge's, North E.L. n, St. George East W - E.L.	88747 8410	21 9	8-5	2 4	ī	Ξ	-	-	-	ī	-	- -	-	1	1	1	2	=
B. H E.L. & N.R E.L. was E.L.	10995 16107 32041	11 21	8 5 12	5 1 2	2	- 4	1 1 1	=		2		1 -	1.1.1	1, 1	2	5	5	
nd Old Town West H - E.L. ad Old Town East Www.H- E.L.	87960 67653	14 54	10 20	7	1 5	-	=	-	: -	1 4	7.	-	-	-	2	- 3	4	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	87074 64859 85077	25 57 40	10 85 18	2 6 5	1 9 4	-	1	-	ī	1 1 2	111	111			ī.	1 2 4	16	-
SOUTE DISTRICTS. thurch Southwark WH L. & 5. iour Southwark - S. oad - S. & L. th-road WH - S. & L. troad HL - L. & S. Newington - S. & L. ty Newington - L. & S.	18663 14999 21831 15958 21316 26672 59555 21623	7 11 16 4 9 8 44 11	4 4 4 4 5 7 16 10	1 2 1 5 5 4	3 2 - 1 1 3 1	1111111	1 - 2 1 - 1	1111111		1111121	11111111	1111111	1111111		1111111	2 1	2	
re WH S. & L. r Market S. & L. y Magdalen W S. nes Bermondsey - S. hithe WH S. & K.	11956 16300 15669 54682 36024	8 6 11 40 31	21 3 7 13 17	2 1 4 3 5	1 2	71.11.1	22 -	11111					1 1 1 1		4:	5	16	1 - 2
00-road 1st H L, & S, coo-road 2nd H L, & S, th Church 1st H - L, & S, th Church 2nd WW - L, & S, & L, as so cool 2nd S, & L, as so cool W L, & S, d L, as so cool W L, & S, d L, as so cool W L,	15195 16351 19876 39859 45282 35332 62837 19017	12 25 12 31 22 16 43 17	8 6 12 26 10 13 12 2	1 4 2 9 4 1 1	3 6 1 7 6 1	li en en en	11171111	1111111	1 7	2	11111111	1111111	111/1111	1	1111111	1	3 8 14	122-1
attersca	54675 52587 36380 28004 13235 25553	41 42 19 23 6 16	19 36 13 8 3 8	4 5 1 2	18 3 8 1 1	11111	14	11111	111111	3 - 2		11111	1 1 1 1 1	1	1 1 -	1 - 1 -	10	1
h L. 2 S. rwell WwL*L* S. 2 L. m W S., I., 2 K. orge Camberwell L. 2 S.	5590 59104 71089 50810	35 87 51	3 38 26 21	9 5 5	13 5 5	1 1 1	1			1 3	1111	-	1.1.1		1	2 -	24 4	1
al Deptford ow K. holas Deptford K. vich West H K. vich East WHH K.	76752 7901 21972 24603	6 12 20	23 1 5 17	9 - 2 1	5 - 7			2 -	1 - 1	- - 1		1111		-	2	- 3	10	1 1
H K. I K. I K. I K. I K. I K. I K.	5048 21559 19865 26076	4 11 22 3	3 5 12 9	1 1 1 2	1 3 6 6			1111	1	1 -			1111	1 - 1 - 1	1	1	- 4	1
on HII K. ich Dockyard K. ich Arsenal HH K. oad, West H K.	10980 17617 19048 14009 19241	1 4 7 8 13	1 1 7 2 9	1 1 8	1 2	11111	1111	18111	11111	11111	11111	11111	11111	11111		1	1 - 2	
olitan Asylum Hospitals: rtford w	=	-	ī	-	-	- ,	-	1	-		-		-	-	=	-	i	, -

following Workhouse Establishments are indicated in the above Table by w (see note at foot of preceding page):-

trylebone Infirmary in Kensington Town sub-district.

Stepney Worksones: in Bromley sub-district.

Stepney Worksones: in Bromley sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve Town Sub-district.

Hoson of Sylve (See not at 100 to 0 preceding page):

Stepney Worksones: Informly sub-district.

Hoson of Sylve Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Sylve Town Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Informary in Camberwell sub-district.

Hotology Inf

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during Week ending Saturday, 5th April, 1890.

		Area -	lin.	1.1.	The DEATHS registered in the Week include													
Regis- tration		in Acres,	Enume-			Dea	Deaths of Deaths from											
District	REGISTRATION	inclu-	rated	ž	II.S.	-	8:	7	1 .	1	1 50	1 4	1	1 :	I		lie	
and Sub-	SUB-DISTRICTS.	Tidal	Popu-	BIRTHS	DEATHS	under of Age.	aged &			Fever.	1 2	Whooping-cough,		1 -		Inquest Cases.	Deaths in Public lustitutions.	
listrict		Water	1881.	BI	D	a Jo	25.8	POX	1	E4	eria	jing		98.	90	Ç	s in tuti	
Num-		Fore-	1 1			Infants	Persons Years 5	Small-pox.	Measles.	Scarlet	Diplitheria,	bood	fever.	Diarrhoss.	Violence.	dues	sath usti	
		shore.		- 1		=	Pe	3	×	20	=	=	1	- ig	V	===	Q	
LON	IDON - OUTER RING	370,924	950,957	706	433	88	120		11	4	9	23	2	6	10	20	50	
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	9	18	1	8	~	-	-	-	- 1	-	E 1	-	-	17	
37:1	Godstone (part of) * -	2754	1235	- 4	_	-	-	-	-	_	-	-	_	-	_	-	-	
38:1	Croydon WwH L -	20851	101941	57	- 49	9	12	-	6	2	-	-	-		1	3	8	
2	Mitcham w †	11697	17982	:7	4	1	1	-		-	1-1	-		-	-	-	-	
89:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	15	. 2	2	1 8	-		-			H		1	2	- 3	
8	Esher (part of) * -	6601	9221	2 3	17		1	-	Ш		1-1	-	-		-	_	-	
*	Hampton H	4578	18539	4	8	'1	2	-		-		-			1	1	-	
40:1	Richmond WH	2272	21302 12331	12 10	5	1 8	3			-		-		-	1	1	1	
41:1	Bromley (pt. of) WHH	2941 15669	81143	26	6		2	, j										
2	Chishrst(pt.of)* WHH	14307	15844	15	2	1	-			<u>C</u>	-	1	-	-	-	-	-	
42:1	Bexley H	18487	24134	19	7	1	4	-	-	-	1-1	-	-	1	-	-	-	
194 • 1	Dartford (Ww, pts. of)*:	110**	11641	1	2		1			-	-	-	-	-	-	-	3	
124: 1	Staines W-	11055	11688 12089	6	1 6	1	1	-	-					-	_	-	1	
125:1	Hillingdon WHH -	6029	10802	9	6	3	1	-	-	-	-	-	-	-	1	1	_	
2	Uxbridge	6178	3225	2	2	-,	1	-	-	-	-	-	-	-	-	-	-	
126: 1	Hayes wHL	14587 7008	11528 22727	10	5	1	~	-	1		1				1		3	
2	Isleworth WHH -	2477	12479	3	10	1	3	-	1,2	1		-	-	-		-	1	
8	Brentford HL	4845	27649	18	13	3	6	-		- 64	1	1	1-1	-	1	2	-	
5	Chiswick	1340 6083	15975 22876	10	~ 6	8	3 2	-	-	-	1	1	-	1	-	-	-	
127:1	Harrow H	13809	12796	7	- 4	1	2	_	-	4	-	_	_		1	1		
2 3	Edgware H	6994	8749	5	1	1	-	-	-	7	-	-	-	-	-	-	-	
	Willesden Hendon W	4388 8382	37483 10484	30	15 2	2	2	-	-	-	2	1 -	1 -		-	1	-	
187:1	Bushey	9331	6621	4		1	1	-				-			_	-		
2	Watford (W, pt. of) -	-		-	-	-	7-1	-		/-	-	-	1-1	-		-	-	
128:1	South Mimms	158 99	6391 10092	3	1	-			-	-	-	-	-	-	-	-	-	
3	Finchley HL	4638	17615	9	15	1	8	2.		-	-			-		2	- 5	
185 : 1	Hattield (part of) * -	3806	583	-	. 7.		-	-		4	-	-	-	-	-	-	-	
128 : 1	Hornsey H	8089	37078	26	14	4	9	-	-	-	-	1	-	-	-	-	-	
3	Tottenham H Edmonton Ww -	4643 7483	46456 23468	70	20	5	. 4	-	1	1 -	1	4	-	1 .	1	1	-	
.4	Enfield WH	12653	19104	23	14	8	3	2	,1	-	-	-	-	1	-	1		
6	Waltham Abbey Cheshunt	11017 8430	5368 7785	1	-	-	-		-	~	-	-	-		-	-	-	
186:1	Stratford	889	38606	7 21	14	5	1	-	-1	-	-	1				-		
2	West Ham wwH -	4055	90347	69	63	12	12	-	-	1	1	5	1	1	2	8	-	
3	East Ham www	329 6 4372	10706 32430	16 29	11	7	1	-	-	-	-	2	-	1	-	-	-	
5	Walthamstow H -	6520	28869	27	26	3	8	-	1	-	1	3	-	_	-	1 -	3	
187 : 1	Chigwell (part of) * H	11761	9669	7	3	,1		-		-	-	-	-	-	-	_	-	
180 - 7	Epping (W, pt. of)				-	-	-	- 10		1 -	-	-	-	-	-	-	-	
189:1	Romford (part of) * W	6730 8493	3411 7645	6	4	,	1	-	-	-	1	-	-		-	-	-	
4														-				

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Bing are as follows * The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows 30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone 8 district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone 8 Knockholt (pop. 1816); 41: 2, Chislenurst sub-district, except the parish of Chelsfield (pop. 247); 135: 1, the parish of Norsiaw in Hatifaction (pop. 1816); 41: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 347); 135: 1, the parish of Norsiaw in Hatifaction (pop. 1816); 41: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 347); 136: 1, the parish of Norsiaw in Hatifaction (pop. 1816); 42: 2, Dartferd, 187: 2, Watford, and 187: 2, Epsings, sub-districts.

† Exclusive of deaths of London residents in the Holbern Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolital Wischmore Hill (see Table 5).

Asylum' Hospital, Winchmore Hill (eee Table 5).

On lat January the two parishes of East Ham and Little Hord were separated from the registration sub-district of West Ham, and we constituted the registration sub-district of East Ham,

BLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 5th April, 1890.

GREATER	Area in Acres,	Estimated	of Moi	RTALITY	DEATHS	Dea	The Da	ATH	regi			the W		inoluc	le	olio.
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under ·1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever,	Diarrhoss.	Violence.	Deaths in Publications.
Cols.	1.	2.	3.	4.	5.	. 6.	7.	8.	9.		11.		13.	14.	15.	16
TER LONDON	448,334	5,758.500	16.8	1.9	1852	398	460		46	12	29	107	5	16	46	412
TER LONDON -	77,410	4,421,661	16.7	1.9	1419	310	340	-	35	8	20	84	3	10	36	362
TER RING .	370,924	1,336,839	16*9	2.1	453	88	120	٦,	11	4	9	23	2	6	10	50

E.—The area of Greater London is 448,884 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,220,308 Persons.

! .	POPULATION				ANNUAL	Di	SATHS	FROM	PRIN DISEAS	ES.	ZYMO	
Tibo.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS. of Stillborn.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
TTA	433,219	February 22		267	32.1	45	2	1.1	_	-	70	52†
ir . Yi	773,196	March 11	. 196	686	38.5	16	12	2	,	2.	267	301
A8	898,777	February 14	248	290	37.8	124	13	2	2		79	47+
¿	2,260,945-	March 29	1219	1167	26*8	2	41	8	43*	10	6	71
BLS -	477.288	march 29	255	173	18.7	1	31	-	3 0	3	. 1	15
Faubourgs.)		19				1				0	-	10
BDAM .	4 06,302	. 29	260	171	21.9	-	31	-1	5	-	2	14
RDAM -	203,486	33 29	137	- 85	21.7	-		-	1	^ - .	1	1
IAGUE -	156,497	" 29	104	62	20*6	-	-	-	-	-	1	-
HAGEN -	307,000	, 29	205	138	23.4	1	1	- 4	7) 1	. 1	5
HOLM	228,218	, 22	161	93	21.2	-	-	. 9	3*	- 1		- 8
TIANIA -	138,300	,, 29	63	66	24.0		4	1	2	2	-	1
TERSBURG	924,106	,, 15	- "	508	28.7	-	20	28	10	1	8	42
W	1,526,887	, 15	936	605 .	20.6		. 5	12	39	16	1	26
URG(State)	575,276	35 22	431	- , 253	22.9	1 =	1	3	10	2	1	23
EN	269,250	,, 22	181	127	24.5	-	-	2 -	7*	- 1	1	5
AU	321,143	,, 29	210	185	30.8	-	-	1.	11*	.2	-	10
THE	298,000	22	247	175	30.2	74	2	1 3	5*	1 3		13
A	822,176	22 29	557 576	505 417	26.4	1	7 7	3	4	2	1 1	18 22
738 I	314,425	22	7 - 1	166	27.5	~ 1.	4	2	8	1	2	6
Prestr -	463,017	,, , , 22	371	320	35'9	~ -	2	2	16	all I	1	24
CR	160,092	3, 29	108	100	3216	-	1	7	2*	-	1	1
	415,498	February 1	274	295	37.0	-	-	-	2	1	5‡	8
(10 days)-	314.827	March 10	269	273	31.7	1	8	-	- T	4	3	22
	156,515	,, 22	78	84	28.0	11	- 4	-	3*	-	. 1	6
	374,838	, 13	386	303	42.1	-	-	-		6	23	86
NDBIA -	231,396	13	242	190	42.8	2		-	1	-	10	43
YOUR -	1,595,547	,, 15		769	25.1	1	11	20	32	4	5	14
TAN -	852,467	, 15		372	22.8	-	3	. 3	36.	. 5	- 3-	4
DELPHIA -	1,064,277	,, 15		389	19.1	-	6	2	4	4	10	4
MORE -	500,343	n 15		224	23.3	2	16	1	6	1	3	1
ORLEANS -	254,000	9 1, 8 -		149	- 30°6	-	-	-	2	-	1	8
		- 1		- []	5 531	-		.1				

^{*} Including deaths from croup.
† Including 19 deaths from cholera in Calcutta, 8 in Bombay, and 1 in Madras.
‡ Including 3 deaths from malarial fever.

TABLE 9.-METECROLOGICAL OBSERVATIONS taken at the ROTAL OBSERVATORY, GREENWICH, during the Week ending Saturday, April. 5711, 1890. Under the Superintendence of the Astronomer Royal.

the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show 0.0 The height of the cistern of the barometer is 159 feet above the mean level of the sea; no thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptiford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.

Orporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-27 ased from 29.91 in. at the beginning of the week to 30.19 In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," - "lower," than the average. in a Gauge whose receiving Sum 00.0 in. 0.00 00.0 00.0 26 of the air from a discussion of the anemometric records for the 16 years ending 1875. of 16 Years. Average Miles. **C**3 37 Sum - 579 Observations are usually taken at 91. A.M.; noon; 31. P.M.; and 91. P.M. eye-readings of the barometer, the dry bulb thermometer, and the wet bulb Robinson's. Movement of the Air Torizontal on each Day. Sum 1502 334 24 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. 0.0 .sq. Pressure on the Square Foot. 1bs. 0.0 0.0 Least. 22 Great-1.7 est. NE. WSW. civil day, or from midnight to midnight, ENE. & NE. ENE. PER ENE. & E. E. & ENE. K N. ENE. P.M. General Direction. 20 NW. 3 ENE. & NE. NNE. & NE. ENE. & NE. SW. & NW. N. R NNE. NE. A.M. 13 metrical '1 ables. of the Thames at Deptford. 0.85 9.85 9.87 8.97 6.47 2.25 LOW. est. 49.0 9.65 49.5 18.5 est. Lowest on the Grass. 22.6 0.07 26.3 24.3 23.1 24.1 Of Radiation. 25.1 16 Hoar, frost in morning. Very fine and generally cloudless till afternoon; loggy and hazy in evening; cloudy at night. Fine; cloudless in early morning; small amounts of light cloud till afternoon; afterwards cloudless. Fine; generally cloudless; foggy and hazy in fore-Very fine; cloudy in early morning; partially till afternoon; cloudless afterwards. afternoon; cloudless High-est in Sun's Rays. 6.86 (15.3 117.3 15 morning; cloudy Degree of Hu-midity (Satu-14 68 138 138 25 64 75 GENERAL REMARKS. Difference between the Air Temperature and Dew Point 1.8 0.0 8.0 13 Temperature. till in Great-7.61 13.4 9.91 7.61 25.2 17.1 est. 12 fine Fine; partially cloudy afterwards. Mean daily value. very 10.1 11 Cloudless and Of the Dew Point. Mean daily 37.4 35.1 fine afterwards. 33.2 54. ¥ 0.98 34.4 37.1 83.1 10 parture from 2.5 7.0 Very 6 + 1 П FEMPERATURE. Mean daily 2.18 43.7 7.17 9.68 43.5 7.97 8.8 Registered Sun above Sunshine, Horizon, in hours. in hours. 0 13.0 18.0 15.8 15.8 15.0 13.1 Daily Range. 25.5 2.67 18.7 18.3 8.13 -6.6 7.4 9.5 8.0 1.01 33.0 34.8 31.3 LOW-33.1 est. 9 0 High-0.19 6 est. m. P. in morning; w. N. and w. P. atterwards. m. P. till afternoon; v. N. in evening; m.P. at night. w. P. till evening; 82 54 (For explanation of symbols, see Note.) ELECTRICITY. duced to w. P. throughout 29.929 **50.02** 29.941 28.62 29.984 w. P. generally w. P. generally in. Full. 30 10 000 31 67 MONTH AND MARCH. 1890. WEDNESDAY DATE. DAT. APRIL. THURS. MEANS TUES. TUESDAY MONDAY WED. SUNDAY SUN. MON. FRIDAT FRI. SAT.

WEEKLY RETURN

AND DEATHS IN LONDON BIRTHS

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 15. 1890. Vol. LI.

WEEK ENDING SATURDAY, APRIL 12.

Price 13d.

General Register Office, Somerset House, 14th April, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.6 per 1000. The death-rates in each of the last four weeks in the several towns, alphabetically arranged, were:-

A COMP TO SERVICE		Weeks	ending		Page 1			Weeks	ending	5
Towns.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Towns.		Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.
Birkenhead	18.4	19.4	12.9	10.9	Liverpool -	-		22.3		
Birmingham	21.0	22.4	20.9	18.2	London -	-		18.5		
Blackburn -	28.3	27.9	24.1	28.3	Manchester	-		31.9		
Bolton -	26.6	19.4	23 · 9	28.8	Newcastle-on-Ty	ne		28.8		
Bradford -	24.1	24.9	20.6	22.5	Norwich -	-		26.2		
Brighton -	17.7	28.7	16.4	18.1	Nottingham	-		17.9	التكاليطاط	
Bristol -	24.2	19.1	18.0	16.8	Oldham -	-	اظالانتما	21.3	النكائن	
Cardiff -	23.6	20.9	22.7	15.6	Plymouth -		الطالطية	21.8	اعتكانتها	
Derby -	17.1	21.7	20.2	24.8	Portsmouth		النكائنا	20.8		
	26.1	23:5	19.1	30.5	Preston -			23.3		
Huddersfield	24.3	20.5	10.5	20.5	Salford -	•	وانكاسنها	26.7		
Hull	25.1	23.7	19.3	21.5	Sheffield -	•		29.3		
	26.2	22.6	24.2	23.4	Sunderland	•		21.8		
Leicester -				15.9	Wolverhampton	-	28.8	19.4	25.0	28.1

The highest annual death-rates, measured by last week's mortality, were:—from measles, 3·1 in Derby; from whooping-cough, 1·0 in Leeds and in Manchester, 1·6 in Norwich, 1·8 in Bristol, 2·2 in Salford, 2·5 in Brighton and in Wolverhampton, and 3·2 in Bolton; and from "fever," 1·0 in Preston. The death-rate from searlet fever did not reach 1·0 per 1000 in any of the twenty-eight towns. The 25 deaths from diphtheria included 21 in London, 4 in Manchester, 2 in Birmingham, and 2 in Sheffield. No death from small-pox was registered in any of the twenty-eight towns.

London.

In LONDON 2360 BIRTHS and 1619 DEATHS were registered. Allowing for increase of population, the births were 453, and the deaths 145, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the five preceding weeks from During the thirteen weeks of last 22·3 to 16·7, rose again last week to 19·1. quarter the death-rate averaged 23.6 per 1000, and exceeded by 1.0 the mean rate in the corresponding periods of the ten years 1880-89.

The 1619 deaths included 54 from measles, 12 from searlet fever, 21 from diphtheria, 79 from whooping-cough, 1 from typhus, 4 from enteric fever, 10 from diarrhea and dysentery, and not one from small-pox, ill-defined forms of continued fever, or cholera; thus, 181 deaths were referred to these diseases, being 54 below

the corrected average weekly number.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy. 62359.—2. 635.—4/90. Wt.

No death from small-pox was registered, the corrected average being 16. The 54 fatal cases of measles showed an increase upon the numbers returned in recent weeks, but were 6 below the corrected average; 9 belonged to Islington, 6 to Shoreditch, and 11 to Battersea sanitary areas. The 12 deaths from scarlet fever were 9 below the corrected average, but showed an increase upon recent weekly numbers. The deaths from diphtheria, which had been 30 and 20 in the two preceding weeks, were last week 21, and corresponded with the corrected average; 3 belonged to Hackney sanitary area. The 79 fatal cases of whooping-cough showed a further decline from the numbers in the two previous weeks, and were 9 below the corrected average; 7 belonged to Islington, 6 to Hackney, 5 to St. Luke, 8 to Shoreditch, and 7 to Greenwich sanitary areas. The death of a shop-boy, aged 14 years, in Payne Street, Deptford, was attributed to typhus.

The deaths primarily attributed to influenza which had been 17, 13, and 10 in

the three preceding weeks, further declined last week to 7.

The 384 deaths referred to diseases of the respiratory organs, exceeded the numbers in recent weeks, but were 40 below the corrected average.

GREATER LONDON.

In Greater London 3203 births and 2038 deaths were registered, corresponding to annual rates of 29.0 and 18.5 per 1000 of the estimated population. In the Outer Ring 30 deaths from whooping-cough and 13 from measles were registered. The fatal cases of whooping-cough included 5 in Willesden, 5 in West Ham, 4 in Tottenham, and 4 in Croydon sub-districts; and of the 13 deaths from measles, 5 occurred in Walthamstow, and 2 in Tottenham sub-districts.

DBATHS BELONGING to the SEVERAL SANITARY AREAS OF REGISTRATION LONDON registered in the 13 WEEKS ENDING ON 29TH MARCH, 1890.

			De	ths fco	m Prin	cipal Z	ymotie	Disease	38.		6.5	to the
SANITARY AREAS.	Total Deaths from all Causes.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhea.	Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1000 Births registered.
REGISTRATION LONDON	25,558	1	338	182	834	1224	1	108	8	143	4984	143
WEST. Paddington	647 877 506 476 574 398 485 152	1111111	17 2 -4 5 9	2 7 17 7 17 7	8 15 13 7 10 4 4	22 87 30 20 26 12 23 3	111111111111111111111111111111111111111	1 2 2 4 1 1 8 2 2	1	888542	110 159 120 124 87 62 54 20	188 155 157 152 120 144 123 122
NORTH. Marylebone	975 241 1456 1789 1117	11111	6 1 21 48 11	1 2 10 14	5 8 28 18 13	89 6 61 54 89	11111	2 1 5 8 4	1 2 2	7 2 7 8 5	162 50 275 356 202	135 130 149 144 114
CENTRAL. St. Giles St. Martin-in-the Fields Strand Holborn Clerkenwell St. Luke's London City	319 97 225 284 500 401 327	i i	8 2 5 6 12 28 4	8 2 4	5 8 4	1 1 3 7 6 16 3	111111	1 2 3 2 3		1 1 1 5 2	40 13 30 50 89 68 29	119 169 217 207 142 187 149
EAST. Shoreditch Bethnal Green		111111	17 18 8 2 8 9	9 6 3 4 2 8 5	14 25 8 3 8 10 25	62 57 19 22 24 49 67	2311111	24 4 2 5 5 6	41171	8 6 8 6 4 6 3	180 180 104 82 78 159 258	145 135 150 176 141 151 166
SOUTH. St. Saviour Southwark St. George Southwark Newington St. Olave Southwark Bermondeey Rotherhithe Lambeth Battersea Wandsworth Camberwell Greenwich Lewisham (excluding Penge) Woolwich Plumstesd	789 89 640 245 1688 817 727 1293 888		10 3 2 18 3 13 20 1 4 6 1	1 4 9 2 4 4 1 4 3 1 2 1 1	1 4 11 2 4 8 12 8 7 7 18 8 7 7 5 1 7	111 28 35 2 16 13 84 41 106 55 13 14 34	1	1 3 3 6 8 4 2 2 2	2 1 1	3 1 3 1 2 3 7 3 8 5 8 3 2	41 100 161 16 102 59 318 183 162 275 190 74 53	162 185 147 126 128 145 120 140 144 144 134 171 175

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 66 that occurred outside that area in the Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Asylum Hospitals, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand the deaths of 431 non-residents who died in Public Institutions inside London have been excluded from the Table.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.56 ins.; the highest reading was 29.83 ins. at the beginning of the week, and the lowest 29.29 ins. on Monday afternoon. The mean temperature of the air was 43°.2, and 3°.6 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Sunday, but was below the average on each of the subsequent days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 12·4 miles per hour, which was 0·3 of a mile above the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0·29 of an inch. The duration of registered bright sunshine in the week was 22·0 hours, against 24·5 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of MARCH 1890; according to their returns 164,906,829 gallons or 749,247 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 217 gallons (98.5 decalitres), being rather less than a ton by weight, to each house, and (assuming 7.8 persons to each house) 27.8 gallons (12.6 decalitres) to each person, against 26.6 gallons during March 1889.

COMPANIES.	Number of suppli		Average daily Supply of Wa					
COMPANIES.	MARCH.	MARCH.	MARCH.	MARCH.				
	1889.	1890.	1889.	1890.				
TOTAL SUPPLY	748,727	760,316	155,425,673	164,906,829				
From Thames	360,786	366,696	77,582,844	81,504,139				
	387,941	393,620	77,842,829	83,402,690				
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,835	35,311	9,072,930	9,336,947				
	71,339	72,818	13,977,465	15,365,052				
	110,707	111,958	21,787,724	22,944,357				
	55,243	56,026	16,414,125	17,007,783				
	88,662	90,583	16,330,600	16,850,000				
LEA AND OTHER SOURCES. New River East London Kent	151,975	153,202	27,800,000	29,592,000				
	164,109	166,813	38,760,052	41,944,774				
	71,857	73,605	11,282,777	11,865,916				

Note.—The Return for March 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,589 houses, and of 9,481,156 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATER SUPPLY DURING MARCH.

Water-analysis Laboratory, The Yews, Reigate, 3rd April, 1890.

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0.5, New River 1.3, Colne Valley 1.4, Tottenham 1.7, Grand Junction 2.1, Southwark and Lambeth 2.4, East London 2.6, West Middlesex 2.9, and Chelsea 3.5.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies again exhibited a considerable reduction in the proportion of organic matter, the Grand Junction Company's water taking the lead in this respect. The water was in

every case efficiently filtered.

The water obtained chiefly from the River Lea by the New River and East London Companies showed a corresponding improvements as compared with the supply in February. It was efficiently filtered. P 2

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Loca Board of Health were, as usual, of a high degree of organic purity, but only the supply of the Kent Company excelled that of the New River Company in this respect. The Tottenham water was slightly turbid owing to suspended particles of rust of iron. The Kent and Colne Valley waters were clear and bright. That of the Colne Valley Company was softened before delivery

And was thus rendered suitable for washing.

Seen through a stratum two feet deep, the waters presented the following appearances:

Kent, Colne Valley, and New River, clear and colourless; Tottenham slightly turbid and colour-

less; the remaining waters clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied

to that city was "slightly turbid and greenish yellow."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter. The temperature was exceptionally high."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

_		15 OF TINALISIS EXTRESS									
OR	Companies Local Authorities.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.	March 10th, Cab Rank, Horse Guards, Whitehall.	2.0	31.38	*163	045	0	•270	*315	1.8	21.8
	West Middlesex -	{ March 10th, 'Cab Rank, Portland-road.}	6.5	31.64	•131	.040	0	•282	*322	1.8	22.7
	Southwark • -	March 10th, Cab Rank, Bricklayers Arms, Old Kent-road.	5.9	31.40	•110	*033	0	280	*313	1.8	22.4
Inner Circle.	Grand Junction •	March 10th, Cab Rank, Uxbridge-road, near Marble Arch.	5*4	31°54	*101	*023	0	*279	*302	1.8	22.4
Innet	Lambeth	March 10th, Cab Rank, St. George's- road, Southwark.	5.8	32.00	•128	•015	9	*298	*313	1.9	22.7
	LEA. New River	March 10th, Cab Rank, Tottenham Court-road.	5.6	30.90	.060	•014	0	*329	*343	1.8	23.0
	East London -	March 10th, Fire Brigade Station, Commercial-road, E.	5.2	33.40	139	*016	0	•289	*305	1.9	23.6
- e	DEEP WELLS. Kent	March 10th, Mill Lane, Deptford.	11.9	42.64	.019	.008	0	*504	*512	2.6	32.2
Circl	Colne Valley	March 25th, Bushey.	-	19.24	.070	*015	*003	•427	*445	2.1	8:9
Outer Circle,	Tottenham	{ March 24th, Tottenham. }	-	47.00	.083	.019	•030	•473	-517	3.3	25.1
	poration of Birming- am*	March 4th, 110, Bath street,	4.4	28*66	·187	.023	*001	•176	*200	1.6	16.9
Cor	poration of Glasgowt-	{ March 17th, Loch Katrine Water. }	5.8	2.5	*145	*045	θ	*003	•048	•75	0.92
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is to read thus:—the Chelsea Company's water, collected on the 10th March, at the Horse Guards cab-rank, had a temperature of 5° 0 C.; 100,000 lbs. of it contained 31 38 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained ·163 lb. of carbon and ·045 lb. of nitrogen. The above quantity of water also contained no ammonia, and '270 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '315 lb. The above weight of water also contained 1.8 lbs. of chlorine; and 21.8 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same

operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

^{*} Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

	ř	
i i		
Zon E 3	Ì	
1		
1	-	
3	ı	
i	Designation of the last	
0	THE PERSON NAMED IN	
> 1		
,		
1	ļ	
PT	ŀ	
ě	ľ	turn,
5	Ì	his Re
	ı	12
2 =	3	o egr
7		rst p
-1		g uo e
2		e note
1		• Se
1		
23		
	į	
44	ľ	
#G		
007		
707	Total Control of the last	
7000000	The Party of the P	

Mean. RAINFALL. CUITIES	tgu.
Ramana 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EDINBURGH. GLASGOW. DUBLIN.
	0.13
A. S. S. S. S. S. S. S. S. S. S. S. S. S.	0.02
M 6 I	5.44 6.17 6.17
330. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	41.8
Fahrenheit. Mean. Fahrenheit. Mean. 19. 20. 22.0 42.3 5.72 56.0 23.0 445.2 6.22 56.0 23.0 445.2 6.22 57.8 81.3 42.5 6.22 58.0 22.4 41.7 5.39 58.0 22.0 23.0 83.8 4.33	29.9 30.1 27.2
F. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	55.0
Amnual Rate of per 1009, week-6-12, from All From All 18-12 11-13	1.0
Anna Anna Anna Anna Anna Anna Anna Anna	22.52.52.52.52.52.52.52.52.52.52.52.52.5
Unestrided O C C C C C C C C C C C C C C C C C C	15
nlotased was a series of the public process of the public process of the public process of the public public process of the public p	24 38 47
	۵۰ ۵۰ ۵۰
	10 16 10
Diphthetial Diphthetial	144
Fores.	3 62 14
I I I I I I I I I I I I I I I I I I I	20 cs
- 11 12 20 20 20 20 20 20	H co i
Sentier of the sential to sent the sential reserver.	1 1 10
H Neasles.	25 47
.xoq-[fam8] &	1 1 1
andubna re 20 00 4 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15 34 44
22 22 25 26 26 26 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27	22 65 34
	117 287 166
Registered during 12th Apr., 1800. 12th Apr., 1800. 12th Apr., 1800. 15th Apr.,	136 361 185
POPULATION (100 of the Year 1860.** 1	271,135 £30,208 353,082
COTTIES AND LORUCGHS. 28 TOWES LONDON BRIGHTON PORFEROUTH PORFEROUTH PORFEROUTH PORFEROUTH PORFEROUTH PORFEROUTH PURNENCH STEEL BIRKEREER NOTINGHAM LEICEBEER NOTINGHAM LEICEBEER NOTINGHAM LEICEBEER NOTINGHAM BRACKEER BRACKEER BOLTON HULDERSFIELD HALIPAX BRACKEER BRACKE	EDINEURGH GLASGOW DUBLIN

Table 2. LONDON .- Births and Deaths Registered in the FIFTEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females	2656	2344	2529	2598	2429	2617	2655	2626	2831	2509	2812·7	2360
	1829	1171	1322	1349	1232	1358	1342	1328	1442	1292	1435·6	1154
	1327	1173	1207	1249	1197	1259	1313	1298	1389	1217	1377·1	1206
Total Deaths: Males Females .	1519	1636	1727	1803	1474	1706	1571	1558	1692	1493	1764·3	1619
	787	809	865	944	771	865	828	803	882	777	909·5	842
	732	827	862	859	703	841	743	755	810	716	855·8	777

^{*} The numbers in this column are the average weekly numbers in the fifteenth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEE

TABLE 3. LONDO	JN.—BIR	11.09		,	-		014020	0 2 12	DILO	23400	7.111.00	. 132314	WEEF	
v ¥ a		an. 18.	Jan. 25.	Feb.	Feb. 8.	Feb. 15.	Feb. 22.	Mar.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.
TOTAL Births	2'	714	2510	2699	2707	2793	2702	2561	2536	2717	2534	2543	2329	2360
TOTAL Deaths	- 2'	720	2227	1849	1749	1809	1847	1802	1889	1771	1637	1571	1419	1619
Ages at \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- 4 - 6	909 450 666 576 119	775 349 510 503 90	703 282 369 390 105	714 238 334 363 100	763 218 357 390 81	753 256 363 374 101	739 234 524 418 87	798 226 348 428 89	776 196 303 404 92	729 193 296 342 77	743 204 264 309 51	657 183 239 285 55	774 204 275 308 58
"" {Under 1 year 1 1—5 5—20 1—5	8	415 544 150	386 294 95	350 250 103	372 254 88	352 306 105	393 259 101	367 263 109	394 294 110	392 271 113	381 270 78	366 304 73	310 253 94	372 298 104
Deaths from Small-pox , , , Measles Scarlet fev Diphtherie , , , Whooping , Typhus Enteric fev , , , SimpleCor , Diarrhœa Dysente , , , , Cholera	ver - ntd fever and ry - }	24 22 22 104 - 14 1 6	21 10 22 82 1 10 -	- 111 14 24 67 - 9 -	8 19 24 91 - 2 - 4	21 14 39 115 - 12 1 6	1 14 13 27 103 - 8 1 21	19 14 24 97 7 1	- 85 12 19 95 - 4 1 9	35 18 25 86 - 3 1 14	45 11 23 76 - 7 - 14	45 10 30 10! - 7 1 13	35 8 20 84 - 2 1	54 12 21 79 1 4
" ", all the a mentioned Dis		193	160	134	148	208	188	174	175	182	176	207	160	181
", ", Dis. of Res tory Sy " , Phthisis " , Dis. of Cin tory Sy	rcula-	010 B12 209	736 239 193	550 220 116	485 209 154	439 215 143	452 218 162	492 224 146	510 206 163	164 145	381 169 148	375 154 120	296 180 114	384 174 151
Violent Deaths - Inquest Cases - Deaths in Public Institu	1	65 171 526	60 142 491	62 127 471	58 125 401	56 137 436	77 143 434	52 134 425	65 120 406	76 162 390	49 115 406	61 117 377	36 85 362	60 133 381
TEMPERATURE OF THE Mean Mean of Highest read Mean of Lowest read	Air 4.	0.6	42·7 48·4 36·9	42·9 48·3 38·2	37·1 42·7 32·0	35·9 41·7 30·8	39·4 43·9 35·9	35·4 42·0 30·4	36·4 43·6 29·0	45·3 54·0 37·6	43·3 52·0 36·0	49·0 57·3 42·6	43·8 54·9 33·1	43·2 52·0 37·0
Humidity of the Air Rain-fall in inches Registered Sunshine (in	0		84 0·77 14·9	90 0·73 8·9	89 0·05 9·5	87 0·88 31·2	89 0·04 12·4	87 0·22 9·7	69 0·33 12·1	79 0·24 28·1	82: 0·81 21·5	84 0·41 14·6	72 0·00 59·8	72 0·29 22·0

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield. Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverbampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Fifteenth Week of the Year 1890.

		_							11 00	k of the Year 1890.		(1		-		_			
	In the Week ending Saturday, 12th April 185 Deaths of Persons of the Ages Under 20. 19 19 19										s for the	-	Satur	rday.		Apr	il 189	90.	_
	res fe		D	eaths t	he A	erso ges	ns of				ges i		De		of P		as of		
	of the		τ		r	40.	60.	80.	and	CAUSES OF DEATH.	Corrected Averages 15th Weeks of the 1880-89.*		τ	Inde	.	. 40.	.09	. 1997	Bud
AUSES OF DEATH.	d Aveks	60 100	 _	20.		under	under 60.	under	ds.		eeks	AGES.		20.		under	under	un ler	ds.
	Corrected 15th Weel	AGES			0,0		and u	and u	y Years a		reete			-	ZU.	and u		n pun o	U Years
	Corre 15th	ALL	0-1.	1-0.	5-20.	2) and	±0 a	00 a	80 u	,	Cor 151	ALL	1-1	15.	, - 20.	20.8	40 and), H	80
LL CAUSES	1764.3	1619	372	298	104	204	275	308	58	Diseases of Organs of)									
		 	-		-	-				Special Sense †}	2.1	4	_	-	_	2	2		_
Small- Vaccinated! -	} 15.9	_	-	-	_	-	-	-	-	Diseases of Circulatory	117.1	151	2	3	11	30	49	49	7
No Statement	1)	-	-	-	-	7	-	-	6	System S			_			-		_	_
Measles	59.8	. 54	15	33	6	-	-	-		Croup	14.1	6	1	4	ļ		97	-	-
carlet Fever	20.6	12		7	5	-	_	-		Bronchitis Pneumonia	252°0 117°1	219 128	65 23	52 46	5 5	3 15	27 24	56 14	11
Typhus	0.0	-	-	-	-	-	-	_		Pleurisy Other Diseases of Respi- }	7°2	5 26	6	5	1	3	6	2 5	
Influenza	0.0	7	-	-	-	2	3	1	1	ratory System}	99 %	20		-					
Whooping-cough	88*4	79	34	42	3	مبر	-	-	١	Dentition †	20.4	16	10	6	-	-			-
Diphtheria	21.4	21	-	14	7	-	-	-	۱	Quinsy, Sore Throat † -	1°3 5°8	1	3	1	. 2	-	ī	-	ī
imple Continued and \ Ill-defined Fever - \	1:4			-	~	-		-	۱	Peritonitis	6.1	8 34 25	2	-	2	3	10	2 10	-
Enterie Fever	14.8	4	٦	-	1	8	- ,	-	٨	Diseases of Liver - Other Diseases of	83.0	22	5	1	1	.1	8	5	1
Cholera	11.8	10		1	-		1	_	2	Digestive System -}						-		-	
Diarrhea, Dysentery	0.2	-	-	-	_		-	_	-	Diseases of Lymphatic)									
Hydrophobia	0.1			-	-	-	-	-		System & of Duotless Glands †	1.6	. 4		. 1	2	1	-	-	-
Handers	0.1	3	1-1	-	-	1	` -	-	-			-	_	-		-			
lowpox and Effects of \ Vaccination † }	-0°1		-		-	-	-	-	-	Diseases of Urinary	40.2	45	-	1	4	5	17	17	1
Vaccination -	11.1	13	10	-	-	1	-	2	-	System 3		-							1
Erysipelas	5.0	7	3	-	-	1	1	2	H	Diseases of Generative	15.0					0	0		
yæmia and Septicæmia †	2.8	1			-	-	-	1		System } Accidents of Childbirth -	5.8	4 2		-		2 2	2	_	-
uerperal Fever	5'3 2'4	2 2	2	-		2	_			220000000 Of Childbirth -		-			-	-	-	-	-
ther Zymotic Diseases †				-	-			-		Diseases of Locomotive	7'6	11	1	3	2	1	2	2	-
hrush	1.9	1	1	-	-	-	-	-		System + 5		-							-
Vorms and other Para-	0'8	-	-	-	-	-	-,	-		Diseases of Integumen-	5.2	3	1		1	_	_	1	
sitical Diseases 5			-	-	-					tary System}				_					
starvation, Want of Breast-milk † }	1'2	3	1	-	_	-	1	1		7									
Breast-milk †}	5.1	12	-	_		3	7	2		VIOLENT DEATHS.									
Trongities			-		-	-		-		(ACCIDENT.)									
Rheumatic Fever.	7.8	8		1	3	1	3	_		Fracture and Contusion Gunshot Wound	24·2 0·2	24		2	6	4	6	4	2
Rheumatism of Heart† 5	3.0	3						3		Cut, Stab Burn and Scald	0.7 5°8	7	H	3	1	-	1	2	-
Sout	3°4	4				_	1	3		Poison	1.4	1 3	H	-	1	2	-	ĩ	-
lickets †	5.0	4		4	-	-	-	-		Drowning Suffocation	15.3	16	15	-	-	1	-	1	=
Jancer	52.3	49	A	-	1	5	23	20		Otherwise	2.2	4	1	1					
Cabes Mesenterioa -	26'2 36'1	18 25	7	- 8	.2	1 2	-	-		(Homicide.)									
Pubercular Meningitis -	180.1	174	5	15	3	94	39	17		Murder & Manslaughter	1.3	_		-	-		_	-	_
erofula, Tuberculosis -	17.9	18	8	8		1	1	-	-			-							
Other Constitutional)	9:8	11	_	_	.1	_	5	5	/-	. (Suicide.)									
Diseases †5							_	-		Gunshot Wound	0.9	1 2		-	-	-	1	-	-
Premature Birth	38°4	82	32	-	,_	-	-	_	-	Cut, Stab Poison	2.7	1		-	-	1	1	-	-
Ateleotasis †	2.4	1	1	-	-	-	-	-		Drowning	1'3 2'5	ĩ		=	- =	ī	-	-	-
Congenital Malforma-	7.1	7	7	-	-	-	-	-	-	Otherwise	0.8				-	-	_	_	
tions	60.1	44	-	-	_	-	-	22	22										
			-	-	-					(EXECUTION.)	011								
Apoplexy	46°2	50	7	-	.1	2	. 14	31	2	Hanging '	0.0	-			-	-	-	_	_
Epilepsy	8.4	11 52	47	1 4	1	2	3	3	1									-	
Convulsions Other Diseases of Brain {	53.0	1					7.4	21	5	OTHER CAUSES t	60°3	55	47	3	-	-		3	1
and Nervous System	105'8	84	15	20	6	8	14	21	0	1		1							
The numbers in this o	olumn ar	e the s	vara	ce w	eekl	z Dez	aths	for t	he ter	years 1880-89, raised by 9°04	6 per cer	at. for	nere	850 0	f pop	ulati	оп.		

numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9°046 per cent. for increase of population, letten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used. So a carried as "vaccinated" or as "unvaccinated" or has been used by registered medical men. When call attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered let, the case is returned under the heading "no state pait." The carried by a registered let, the case is returned under the heading "no state pait." and the carried by a registered let, the case is returned under the heading "no state pait." The carried by a registered let, the case is returned under the heading "no state pait." The carried by a registered let, the case is returned under the heading "no state pait."

TABLE 5. LONDON. -- POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARL during the Week endi

													durii	ig ti	ie w	eek	enai
							The	DEA	THE	egist	ered i	n the	Was	kinol	ude	٠,	- 13
	Enume-			Deat	hs of					Deat	ha fro	m					
REGISTRATION	rated Popu-	D.	0. Etci	4 .	60 vds.					ngb.		ove.					Publie
SUB-DISTRICTS.	ration.	(BTH)	DEATER	under f Age.	aged & upw	X.		Fever.	ia.	hooping-cough		14 52	son-	ė		Cases,	in P
	1881.	3.1 B			ons ars	Small-pox.	ales.		Diphtheria	opin	bus.	Enteris (o	le e	rhos	Violence	est C	Deaths in I
		Tota!	Total	Year	Persons Years	Sms	Meanles	Scarlet	Dipb	W ho	Typhus.	fre	Simple c	Diarrh	Viol	Inquest	Deat
any physical control of the control	0.01.1.00							10						70		-	
TONDON	3,815,704	2360	1619	372	366		54	12	21	79	1	4		10	60	133	381
WEST DISTRICTS	905,947	359 530	399	46 83	69 76	-	7	5	10	11 18	-	1	_	2 2	8 17	15 42	78
CENTRAL DISTRICTS	282,288	150	114	26	16	-	. 3	-	1	12	-	-		7 .	8	-14	35.
EAST DISTRICTS - "	692,738 1,265,148	433 888	815 544	77 140	70 135		9	1 4	2 4	19	1.	3	_	1 5	11 16	28 36	79. 112
METROPOLITAN ASYLUM HOS-	1,200,110	•	-	-	-	-	_	_	_	-	-		_	-	-1	_ '.	- 36
PITALS OUTSIDE REGISTRATION LONDON								-	-	-							1
St. Mary Paddington WHH G.J. & W.M.	69888	60 10	24 16	9	8	-	1 2	-	-	i	=	-	-		2	1 8	2
St. John Paddington H - G.J. Kensington Town Ww W.M.	87880 120141	13 59	45 %	2 10	6	-	-	-	-	8	-	-			14	-	91
Brompton H W.M. & C.	48010 7599	12	11	3 -	2	-	-		-	-		-	-	-	-		2
St. Paul Hammersmith H W.M. & G.J.	64340 42900	5R 41	20 34	8	6	-	ī	- 2	1	1	-	-		2	1 2	3	12
Chalan South BHH Ca	30396 24925	16 13	16 15	3 -	4 3	-	1	-	2	1,	-	- 1		-		1	5° 8.
Chelsea North-east C.	82807	29	7	2	2 8		1	-	-	2	-	H	-			1	10
May Fair WW G.J. Belgrave WHHH C.	\$0353 59220 35496	17, 9	18	î	4	-	=	=	-	-	-	-			2	2	7
St. Margaret Westminster H - C.	24579	9	13	2 2	2 4	-	-	-	-	4	-			-	1	1	4
St. James Westminster WHH N.R. & G.J.; St. Anne Soho HHHHHHHHHH - N R.	29941 16608	2	1	-		-	-	=	-	-	-	-			Ē		-1
NORTH DISTRICTS. All Souls Marylebone HHHHH W.M.	26759	13	19	-	4	-	-	-	-	-	-			_	4	5	10
Cavendish Square HHHH	14891 24809	J1	8	3	1 2	-	-	-	-	-	-		-	-		-	1
Christopurch Marylebone IIII - W.M.	21118 38700	22 15	18	3	1 2 2	-	2	-	=	1 -	-	-	-	-	1	3	1
St. John Marylebone H W.M. Hampstead WwwIIHHH N.R. & W.M	83633 45452	16 22	14	3	7	7	1 -	2	1	1 -		-	-	· _	1	4	3
Regent's Park Pancras H W.M. Tottenham-court wHHHH N.R.&W.M.	89115 27729	50 9	10	1	2 2	-	-	-	-	1	-	-		-	1	1 2	- 6
Grav's Inn Lane HHH N.K.	80247 84369	17 19	22 10	5 1	3	-	3	-	1	-	-	-	-	1	2	5 2	3
Somers Town H N.R. Camden Town WH N.R. Kentish Town W N.R.	17811 87487	71	16	9	7.	-	-	-	-	-	-	-	-	-	-	5	11 8
Unner Hollowey WWWH N.R.	67946 100976	54 67	35 40	7 12	9 2	-	1 3	-	-	2 3	-	-	-	1	1 2	1 4	12
leiington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R.	61895 52048	32 27	20	7 6	2	-	5	-	=	2	-		-	-	ī	4	-
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	20 5	8 3	2	3		1 -	-	-	ī	-	1	-	-			
West Hackney H N.R. Hackney WwwwH E.L.&N.R.	87610 76911	17 45	10 50	3 9	8		-	3	6	2 2	-	-		-	ī	- 3	1 21
South Hackney E.L. CENTRAL DISTRICTS.	39888	17	21	4.	5	,-	-	-	1	1	-		-			2	-
St. George Bloomsbury N.R.	16681 14864	6	5 7	3	2	-	ī	-	-	-			-	-		1	-
St. Giles South WH N.R. St. Giles North N.R. St. Martin-in-the-Fields HH N R. & C.	13837	4 3	8	ĭ.	-	-	-	-	-	2 -	-	-	[-]	-		1 -	2
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515 8559	1	1 5	1	1	-	1	-	3	-	-	-	-		1	1 -	6
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R.	18871	10	1	-	1	-	-	-	-	-	-	-	-	-		1 .	2
St. Andrew Eastern W N.R.	10706 6583	7 2	8 2	1		=	-	-	-	1 -		-	-	-	-	- = .	. 4
St. James Clerkenwell N.R. Amwell Clerkenwell N.R.	17516 19281	13 15	2 4	1	/-	=	-	-	= "	-	-	- 1				-	- 3
Goswell-street N.R.	14773 17503	13	6	1	-	-	-	Ξ.	=	2	-		-	-		-	-
City-road HHL N.K.	11541 18628	22 3	7 8	3	3 2		-	-	-	2	=	-	-	-	1	1	2
Whiteeross-street - N.R. Finebury - N.R. Holborn Union Workhouse, Mitcham, w.	9217 7468	3	3	1 -	-	=	-	Ī	-	3 -	-	-		-	1	-	-
St. Rotolph H N.B. &E. L.	11174	12 2	3	8	-	-		-	- 1	1	-	-		-	1	2	-3
Cripplegate N.R. St. Sepulchre H N.R. St. Bride W N.R.	8896	1 2	19	1	1 2 1	-	1	-	3	-	-	-	, <u>-</u>		4	5	16
Allhallows Barking N.R. Broad Street H N.R.	13666	i i	4	1	1	=	-	-	- 1	ī	=	- 1	-	=	-	1	-
1		-	1)	_	1	1		1	1	1	1 -	-			-	- 1	-

NOTE—The Italie letters piaced against the names of the sub-districts denote Public Institutions situated therein, namely: W—Wo house; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in; which paupers; are received; so—Workhouse Establishm receiving immates from other Districts than that in which it stands, (see note at the toot of next page). The Roman capitals signify the Wingermel; sub-districts research; J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsen; S. Southward Vannall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

B, DIPPTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

							The	DEAT	ras re	gister	red in	the	Week	k inel	nde.			
	Enume-			Deat	hs of				D	eaths	from						2	98
REGISTRATION SUB-DISTRICTS.	Population, 1881.	Total BIRTHS.	Total DEATUS.	Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteris (or Typhoid) Fever	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes of Peath.
EAST DISTRICTS. ditch South \uparrow HL^{\oplus} - N.R. on New Town \circ - N.R. on Old Town N.R. erston WH - N.R. & E.L.	22343 29937 28036 46275	16 13 18 27	8 19 8 25	2 6 1 9	3 6 - 2	1.1.1.1	2 2 2	1111	- 1	1 1 2 4	1111=	1111	1111	1	1 1 1 1	1 1 1 22	2 6 - 3	1111
nal Green North H - E.L. nal Green South - E.L. nal Green East WHL* - E.L.	51157 34399 41405	23 24 26	10 18 27	3 1	2 3 10		-	1	-	ī	-	111	1 1 1	1.1.1		3	11	
Helds - H.L. & N.R.	22585 15473 17490 9713 6102	5 18 13 1 5	7 12 19 3 3	3 1 3 2 1	2 4 2 -	11111	` - · - ·			1		31111	1111	1111	11111	1 2 -	7 15 -	1 -
eorge's North $ -$ E.L. ohn, St. George East W - E.L. well H E.L. \times N.R.	88747 8410 10895	26 3	11 8 12	5 1 6	2	-	1	-	-	1 -	-		#. -	-	1	1 1 3	4. 9	-
house - E.L.	16107 32041 37960	7 16 85 46	9 13 8 23	3	4 2 2 5	-	1 1 1	1 1 1 1	11 11	3	1 1 1	11, 11	7	11.11	1 3	1 4	1 14	17.11
End Old Town West H — E.L. End Old Town East $WwwH$ — E.L. leigh $WwwH$ — — — — — — E.L. ar, WWH — — — — — E.L. ar, WWH	67653 87074 64359 85077	20- 40 34	15 40 22	6 1 9 7	3 11 5	-	1	111	-	0 1 5 1	1 1 1	141		1111	1 1 2	3 2	1 16 1	
South Districts. stchurch Southwark WH L. & S. aviour Southwark - S. L. road - S. & L. wigh-road WH - S. & L. & S. ty Newington - S. & L. eter Walworth W - S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & S	13663 14999 21361 15953 21318 26672 59555 21623	12 10 14 21 18 44 26	5 1 5 7 4 7 16 7	1 2 3 2 3 4 1	1 - 1 5 2	1111111	111111		1	111111	11111111	111111	11111111	1111111	111111	1 1 1 -	1 - 2	1
olave WH S. & L. ther Market S. & L. dary Magdalen W - S. tames Bermondsey - S. terhithe WH S. & K.	1 15669	5 9 15 31 28	11 5 9 21 23	2 4 3 4 5	2 1 1 5 5		- 2 2			1			1111	11111	ī - -	1 2 1 - 1	8 1 2 1 3	2 -
erloo-road 1st H - L. & S. erloo-road 2nd; H - L. & S. elbeth Church 1st H - L. & S. elbeth Church 2nd WW - S. & L. inington 1st - S. & L. inington 2nd - S. & L. & S. & L. wood W; - L. & S. & S	45282	8 14 9 31 19 18 27 7	5 3 25 21 12 12 16 8	2 1 5 6 1 5 1	1 2 3 5 7 6 1	11111111	1 1	1111111	1	1 2 - 1	1111111	1	11111111	1	1 5 - 1 - 1	1 6 1 - 1 1 3	1 17 10 - - 2	1 - 1
Battersea	54675 52587 86880 28004 13235 25553	40 40 25 29 10 24	33 31 7 22 3 10	9 9 2 3 - 3	3 9 2 9 1 4	11111	7 4	1	1 -		111111	111111	1 11/11/1		111	1 1	11 4	11111
wich - L. & S berwell WwL*L* - S. & L. kham W - S. L. & S. George Camberwell - L. & S.	59104 71089	40 45 44	1 39 24 22	3 8 12	1 16 8 3	1 -	1	1111	1111	121				1 1 3 1	1.3.3	1	21 5 -	1
Paul Deptford www 'K. Nicholas Deptford K. cawich West H K. enwich East WHH K.	76752 7901 21972 24603	60 6 15 22	36 - 8 20	12 - 1 1	7 - 4 8			3 -	1 -	6 - 1	1 -	1			1	1 1 1	12	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	9 12 15	786			1111		1111	1111	1.1		1111	-	ì	1111	1111	1	ī
olimin H// K. oliwich Dockyard K. oliwich Arsenal HH K. mstead, West H K. mstead, East W K.	10930 17617 19048	17	5 6 10 5 18	3 2 -	2	1111	11111	11111		1 - 2	1111	1	-	1111	1	111	2 - 3	2 2
ropolitan Asylum Hospitals: Dartford w	= =	=	-	-	-	-	-	1-		-	-		-	-	=	-	-	-

Marylebone Informary in Kensington Town sub-district.

Central London Sick Asylum in Tottenham Court suc-district.

Central London Sick Asylum in Tottenham Court suc-district.

Holborn Informary in Upper Holloway sub-district.

Holborn Informary in Upper Holloway sub-district.

Holborn Holloway sub-district.

Holborn Holloway sub-district.

Holborn Holloway sub-district.

Holborn Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Holloway sub-district.

Hollowa

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during Week ending Saturday, 12th April, 1890.

1		Area		-2	1	1			The D	EATHS	regist	ered in	the V	Week i	inelude		
Regis- tration		in Acres.	Fare			Dea	ths of	1				s from				1	I
District and Sub-district Numbers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	Fnume- rated Popu- lation, 1881.	BIRTHS.	DEATUS.	Infants under 1	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-sough,	Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LO	NDON-OUTER RING	370,924	950,957	843	419	104	91	-	13	3	4	30	3	2	12	33	40
80:·1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	10	8	2	2 -		-		.=	1		171	7 1	1,1	3 -
37:1	Godstone (part of) * -	2754	1235	-	-	-1		-	-	-	1-	+	-,	-	-	7.	-
38:1	Croydon WwH L - Mitcham w †	20851 11697	101241	72 19	20	.=	3	-	.1	-	-1	4		1	-	2	5
89:1 2	Wimbledon HHH -	3220	15950	15	6	2 3	1 9	-	39	-	. <u>-</u> '	1		, -	.t -	- 5	-
8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	29 5	17	-1	- 1	-	-	-	,-	7	-	1 4	-	1	-
40:1	Hampton H Richmond WH	4573	13539 21302	11	7	1 2	2.	-		-	-		7	-	1	1	1 3
. 2	Mortlake	2941	12331	12	4	2	1	-	-		-"	1		-	-	-	-
41:1	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	15669 14307	31142 15844	26 14	18 6	8	1	-	.1	-	-	2	-	<u></u>	-	-	1 -
42:1	Bexley H "	13437	24134	22	. 8	2	2	-	-		- 1	-		7	2	2	1
124:1	Dartford (Ww, pts. of)*: Sunbury w	11055	11685	6	1	_	1	7	7, _		_	-		-	-	1	1
2	Staines W	13277	12089	5	7	4	2	-	-	-	-		-	~	-	-	-
125:1	Hillingdon WHH -	6029 6178	10802 3225	9	11 4	-	7 3	-	-	-	-	-	1	-	-	-	5
8	Hayes wHL	14587	11523	-	1	-	, 1	-	-	-	-	-	-	-4	. 1	1	1
126: 1	Isleworth WHH - Twickenham H	7008 2477	22727 12479	15 16	7 2	-	8 -	1-1	-	-	-	-	1	-	1	1 2	-
. 8	Brentford HL	4345 1340	27649 15975	17	7 8	1	4 2		1	-		-	-	-	-	1 2	-
5	Acton will	6088	22876	28	7	2	2	-	-	-	-	-	-	-	1 -	3	-
127:1	Harrow H Edgware H	13809 6994	12796 3749	8	8 1	1	1		-	-	-		-		1	1 -	-
3	Willesden	4383	27453	31	15	8	-	-		1	-	б	-	-	-	2	-
137 : 1	Hendon W Bushey	8382 9331	10484 6621	1	7 1	-	2	_	-		-			- 1	-	_	2
2	Watford (W, pt. of)* -		***	-21	-1		-	-	-	,]	-	121		+	-	-	-
128 : 1	South Minms Barnet	154 99 54 93	6391 10092	4	1 2	1	1	-			-	-		. 4	- 4	-	-
3	Finchley HL	4638	17615	10	4	1			-	-	-	-	-	-	-	-	-
135 ; 1	Hatfield (part of) * - Hornsey H	3039	583 37078	80	17	5	9	_	-	-	i		1	-	-	-	-
2 3	Tottenham H	4642	46456	67	28	8	5	-	2	-	1	4	-	-	-	-	1
4	Edmonton Ww - Enfield WH	7453 12653	23463 19104	23 15	15 3	2	1	-	1	-	+ 4	1	-	-	1	1	8
5	Waitham Abbey Cheshunt	11017 8480	5868 7735	4	1 6	4	-	-	1.	-	-	-	-		-	-	-
186:1	Stratford	. 882	38606	29	16	8	-	-	-		1	1	-		-	_	1 5
3	West Ham wwH = -	4055 329 6	90347 10706	116	56 6	18 2	6	-	1-	1	7.		-		2 4	4 2	- 18
4 5	Leyton WwL Walthamstow H -	4372	32430 28869	46	88	-6	11		. 1	1		. 8	~	-	1	2	12
187:1	Chigwell (part of) * H	11761	9669	6	27	9	3	1	5	.6-	-	3	-	-	-	_	
189:1	Epping (W, pt. of)* -		0437	-	-	-	-	V-	-	-	-		-,	-	-	700	
2	Romford (part of) * W	6730 8493	3411 7645	11 3	3	1	1	-	1 1	-	1	1	-		-	-	1
3	Barking Town	4127	9203	8	1	-	-	-	-	-	-		-	-	-	-	-

^{*} the parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring areas follows * the parts of sub-district, except the parishes of Ashtead and Headley (pop. 1255); 37:1, the parishes of Warlingham and Facley in Godssons sub-district; 38:3, Esher sub-district, except the parish of Csher (pop. 1255); 37:1, the parishes of Warlingham and Facley in Godssons sub-district; 38:3, Esher sub-district, except the parish of Csher (pop. 1255); 18:0 miny sub-district, except the parish of Csher (pop. 1255); 18:0 miny sub-district, except the parish of Chelsfield (pop. 1275); 185:1, the parish of Norman in Hatter sub-district, except the parish of Theydon Bois (pop. 1275); 185:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartferd, 187:2, Watford, and 187:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holbern Union Workhouse (see Table 5).

* Exclusive of deaths of London residents in the Holbern Union Workhouse (see Table 5).

* Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolita (see Table 5).

Asylum Hospital, Winchmore Hill (see Table 5).

On lat January the two parishes of East Ham and Little; Ifford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

ABLE 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of Mortality during the Week ending Saturday, 12th April, 1890.

		Area			L RATE	17.	1 .	The Ds	ATHS	regi	stere	d in	the W	eek i	inelud	le	
GREA!	TER	in Acres,	Estimated		O living.	DEATHS	Deat	ths of				Deatl	s fro	m			Public ions.
LOND	Included was an fores	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8–14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pulnstitution
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
ATER I	LONDON	448,334	5,758 500	18.5	2.1	2038	476	457	-	67	15	25	109	8	12	72	421
NNER L	ONDON -	77,410	4,421,661	19.1	2.1	1619	372	366	-	54	12	21	79	5	10	60	381
UTER I	RING -	370,924	1,336,839	16.3	2.1	419	104	91	-	13	3	4	30	3	2	12	40

TR.—The area of Greater London is 448,334 acres; of which 4,392 acres are tidal water and foreshore. This area is equal 00°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

TABLE 3.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,220,308 Persons.

the safe and the s						DE	ATHS		PRIN	CIPAL ES.	ZYMO	- 1
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhœal Diseases.
CUTTA	433,219	March 1		283	34.1	44	1	- 1	1		67	4 9†
MBAY	773,196	, 18	256	617	34.6	7.	7.	- ?.	2	?	265	19
DEAS	398,777	February 21	230	266	34.6	4	12	9	? .	2	56	41†
218	2,260,945	April 5	1151	1079	24.8	3	48	6	50*	9	10	82
USSELS 8 Faubourgs.)	477,288	, 5	286	158	17.4	-	1	-	1.	1	2	10
STERDAM -	406,302	₀ 5	261	162	20.8	-	1	-	3	. 1	_`2	
TTERDAM -	203,486	,, 5	155 .	98	25.0	-		-	. 1	- 80		. 1
B HAGUE -	156,497	" 5	98	54	17.9	-	-	-	-	-	. +	1
PRIHAGEN -	307,000	, 5	151	141	23.9	-		2	< 12	. 1	Out	. 8.
OCKHOLM -	228,218	March 29	153	104	23.7	-	- 1	8	1	3		12
BISTIANIA -	143,300	April 5	3 8	68	24.7	-	-	-	4	2		. 3
PETERSBURG	924,466	March 22	-	543	30 6	-	23	19	8	3	7	40
RLIN	1,526,887	22	905	639	21.7	1	6	8	25	16	,-	45
MBURG(State)	575,276	,, 29	431	283	25.7	-	- 5	2	12	5	3	- 22
ESDEN	269,250	ss 29	157	111	21.4	-	2	3	6	in in	1	3
RSLAU	324,143	April 5	220	147	24.1	-	7		4*	4	-	15
MICH	298,000	March 29	283	164	28*6	-	2	1	4*	-	-	18
ENNA	822,176	April 5 March 29	513	423 177	26.8 29.4	1	6 2 5	3 3	8 2	- 8	2	17
AGUR · ·	314,425 {	April 5	:	166	27.5	1	5	3 3	5 12	. 1	. 3	32
DA-PRSTH -	463,017	March 29	327	307	34·5 23·4		-3		3*	. 1	2	32
TESTN	160,092	April 5 February 8	87 294	249	31.3		2	-		3	51	2
ME -	415,498 {	15	261	255	32.0	-	3 5	-	2 7 4	2 2	12‡	2 7 16
BIE (10 days)-	314.827	March 20	228	236	27.4	2 8	1		1	- 7	1	16
WICH	156 515	29	82	87	29°0							
mo	374,838	31. 20	373	-309	43.0	-	-	-	2*	2	14	77
BEANDRIA -	231,396	20	226	180	40.6	4	7.	-			11	: 34
W YORK -	1,595,547	, 22	-	772	25.2		11	12	28	10	5	7
OOKLYN .	852,467	, 22	-	326	.2010	-	-	4	17	4	1	1
TLADELPHIA -	1,064,277	₃₉ 22	- to	446	21.9	-	7	2	8	. 2	14	, 3
LITIMOBH -	500,343	,, 22	•	178	18.2	-	20		3	4	5	1
BW ORLEANS-	254,000	" 15	-	164	33.7	-	_		1		5	4

Including deaths from croup.
 Including 25 deaths from cholera in Calcutta, and 1 in Madras.
 Including 2 and 11 deaths respectively from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH during the Week ending Saturday, April 12TH, 1890.

. 1		-	o o									-	4								
			Ozone	6.6	7.5	0.0	0.0	0.0	0.0	0.0	1.4	27	a; no	r, are	mum e air luced	aphic	and,	and the	The ; and	show to the	29 in.
	Rain	in a Gauge	surface is 5 inches above the Caround.	in. 0.00	0.12	80.0	00.0	60.0	00.0	00.0	Sum 0.29	26	vel of the sea;	momete n a discu arometer	eadings of the maximum temperature of the air of humidity are deduced ers by Glaisher's Hemod	photograph tal move	875. higher,	vo feet b Deptford, ins from	ometer.	rument,	eek to 29
		on's.	Depar- ture from Average of 16 Years.	Miles.	+172	+ 129	+ 67	-109	- 68	-170	Sum + 44	25	un level o	ulb then	ings of 1 nperature in indity by Glais	n of the horizon	ending l	th of tr rket at I istruction	ig Electi lerate ; s	ine Inst	of the w
	8,	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	465	421	357	180	220	118	Sum 2079	24	the mes	the wet ling 1873	the read the of the control of the of	discussion that of	16 years hat + in	at a dep attle Ma under in	registerir m. moc	es Sunsh underst	eginning 9th : de
	ometer		an 24 urly 18.	lbs. 0.2	0.0	2.0	2.0	0.0	0.1	0.0	:	23	above ea leve	orrect	iean of y valu nd deg	om 8.	or the	ended sign Ca rket,	s self-ı weak;	l-Stoke	t the b
	n Anem	Pressure on the	Least. h	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	23	159 feet 1ce to s	ometer on of c	cted n dail ture a bulb	ived fr	cords r	re susp re For he Ma	omson'	day.	SS in.a
7	Wind as deduced from Anemometers.	Pressu	Great. L	lbs. 1	4.9	7.2	3.5	1.4	2.6	0.0	:	21	ter is loor	therm plicati e twen	e corre c mea mpera	at der	tric rec	s of the k of t	in The legativ	the Ca n each ervation	om 29 in.
2	as dedu	Osler's.									z		dings t	y bulb	ned th ing th pint te	r is th	will	he The jettice e Cler	ed fro	from shine o	ased fr
,	Wind	General Direction.	P.M.	SW. A SSW			NNW. & S.	E. & N.	×	N. ESE. & SSW.	W. & 1	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no Correction has been applied to the readings to reduce to sea level. Observations are usually taken at 91, A.M.; noon; 31, P.M.; and 31, P.M. The means of the	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years enting 13% for the barometer, and discussion of the photographic records made during the twenty years enting 13% for the barometer, and discussion of the photographic records made during the photographic security for the photographic part of the photograp	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and maximum thermometers, forming the mean daily value of temperature of the aring tendings. The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the think are deduced from the mean daily values of the dry and web bulb thermometers by Gaisheys. However,	metrical 1 ables. The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement.	and 25 it	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.	The record of Electricity is derived from Thomson's self-registering Electrometer, symbols employed are :P. positive; N. negative; w. weak; m. moderate; s. strong v. variable.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the	civil day, of from midmight to minight. The reading of the beginning of the week to 29.29 in. The reading of the barometer decreased from 29.83 in. at the begin increased (59.29 in. by 38, 22, on the 7th; increased (59.71 in. by noon on the 9th; decreased to 29.72 in. by
		General	A.M.	SW. &	WSW.	W. WNW.	NNW.	WSW. &	NNW. & N.	Ä.	W. N	19	cistern pplied t	aromete daily v	nometer momete ean dai	erature enwich	In reading the columns 9 a "lower," than the average.	in the vid of or register	ectricity re:P	lumn 28 on of br the me	dangar barome th; inc
¥		es	1 3 3	-						~ 7 1	20	_	of the been a	f the bomear	thern thern The m	temperate Green	the column the	meters the en	of El	durati	of the
	JRE.	Of the Water of the Thames at Deptford.	h- Low-	2 47.2	4.4	4 46.4	6 47.2	2 46.9	6 46.5	F.1.7	2 47.0	18	eight on has	lings o	ry bull nimun 18).	metrical Tables. The average to records made at	ading er," th	hermolace, at lace, at lacing	record s empl ble.	regate regate esults	y, or ir cading P.M. on
1011SI	TEMPERATURE.		est High- he est.	0 48.2	5 48.4	2 48.4	1 48.6	1 48.2	9.44 0	4 48.1	8 48.2	17	The h orrecti	ye-reac	f the d nd mi solumi	The a	In re	The the surfue in the surfue i	The yunbolive varia	The 1 he agg The 1	The T The T y Sh. 1
under the superintendence of the Astronomer	TEMP	Or Radiation.	h- Lowest on the Grass.	5 35.0	5 32.5	28.5	0 31.1	7 31.1	2 26.0	7.57	3 29.8	16	5	8000					13 13 V 00 V		0 2
sence c	_		High- est in Sun's Bays.	95.5	111.5	107.3	0.16	2.06	115.2	114.2	103.6	15		ė	Showery.	with an		evening	cloudless	illy elon	
"rnten		of Hu-		77 0	1 78	5 67	0 61	98 0	39 .	02	67	14	KS.	occasional slight rain.	rwards.	f rain y show violen		rain till	ng; cl	; partia	
Super	etween	Point Foint ture.	Least.	0.0	2.1	1.5	0.8	0.0	0.1	2.1	2.5	13	EMAF	onal sli	ole after	ower of heav		slight ra	l evening;	orning	
er the	erence l	the Air 1 emperature and Dew Point Temperature.	Great-	19.5	8.91	17.	9.91	13.0	18.0	17.8	16.1	12	AL R		; varial	ight sh		uent sl	eloudy till	arly m	18
Long	Diff		Mean daily value.	0 1.1	9.9	10.2	12.5	3.0	10.1	60 · 60	9.8	11	GENERAL REMARKS.	overcast;	Orereast in morning; variable afterwards.	y; a sl ih. P.M. M. and	cloudy.	Overcast with frequent triable afterwards.	lly elo	Fine; cloudless in early morning; partially cloudy terwards.	
ı		Of the Dew Point.	Mean daily value.	41.8	40.0	32.0	20.2	35.5	31.7	31.3	34.7	10	5	ally ov	ast in m	generall before J	ally elo	ast wit	Fine; partially ght.	cloudle	
	TRE.		De- parture from Average of	+ 2.2	2.0 -	1 .00	6.5 -	- 7.5	1 55.25	10.9	9.9 -	6.		Generally	Orere	Fine generally; a slight shower of rain with snow shortly before ih. P.M., and a heavy shower of rain between 5b. P.M. and 6h. P.M. with violent sonall of	wind. Generally	Overcast with fre	Fine;	Fine; cl	
	TEMPERATU	Mr.	Mear daily value.	6.84	9.95	43.4	45.0	39.₹	8.17	40.6	43.5	œ	above prizon, hours.	13.2	13.3	13.4	13.4	13.5	13.6	13.6	Sum 94.0
	TEMP	Of the Air.	Daily Range.	, 16.1	16.5	16.8	0.6	9.11	16.0	18.1	15.0	7	Registered Sun above Sunshine, Horizon, in hours.						,		
ı			Low-	0.07	2.04	36.3	38.3	36.5	34.4	32.0	37.0	9	Registe Sunshi in hou	0.1	8.	8.9	1.6	0.0	6.3	7.7	Sum 22.0
ı			High-	56.6	0.40	53.1	6.44	8.27	21.3	0.19	52 0	70	of	•	P. in	ing; w. P.	٠			ing;	
	BARO-	Mean daily reading	rected and re- duced to 32° Fahren- heit).	in. 29.681	29.343	29.494	29.680	29.601	717.62	29.508	29.559	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. generally	w. N. and w. P. in morning; s. N. and w. P. afterwards.	in morn	w. P. generally .	al v. P.	nerally	in morn	
		Phases	Moon.	:	:	:	:	:,	Greatest Dec. S.	Last Qr.	:	3	ELE (For ex	W. P. E	w. N. morning w. P. aft	w. P. in morning; s. N. till evening; w. P. at night.	W. P. 8	v, N, anl v,	v. P. generally	s. P. in morning; w. N. and w. P. after-	wards.
		0.	AND	. I.L. 6	1~	00	6	. 10	Π.	12	•	ol		9	t	90	0	10	- I	. 12	
		1890.	Month and	APRIL.	Mon.	TUES.	WED.	THUES.	FRI.	SAT.	MEANS	No. of Cel	DATE.	ECNUAT	Monday	PUESDAY .	WEDNESDAY	THURSDAY.	FRIDAY .	SATURDAY.	
				The second	-							-	-	- 13		BRITANIS AL	William I		124	00	

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS 1 N LONDON

AND IN

OTHER GREAT TOWNS. TWENTY-SEVEN

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 16. 1890. Vol. LI. WEEK ENDING SATURDAY, APRIL 19. Price 11d.

General Register Office, Somerset House, 21st April, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.9 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	Weeks ending		: ` :		Weeks	ending
Towns.		pr.	Towns.	Mar. 29.	Apr. 5.	Apr. Apr. 12. 19.
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Derby - Halifax -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$)·8 ·0 ·7 ·8 ·1 ·0 ·4	Liverpool London Manchester Newcastle-on-Tyn Norwich - Nottingham - Oldham Plymouth - Preston	18.5 31.9 28.8 26.2 17.9 21.3 21.8 20.8	16·7 28·6 27·8 19·7 14·1 22·7 27·1 16·8	21·4 23·8 19·1 19·0 31·5 30·0 24·0 28·8 21·9 20·8 18·3 14·7 22·7 25·6 23·8 17·9 15·3 17·1 18·3 21·3
Huddersfield Hull - Leeds - Leicester -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	· 8 · 2 · 8	Salford Sheffield Sunderland - Wolverhampton -	26·7 29·3 21·8	18·1 23·3 24·4	22·4 20·4 23·7 31·6 19·9 20·6 28·1 16·3

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.2 in Birmingham, 1.3 in Wolverhampton, 1.5 in Liverpool, and 6.2 in Derby; from scarlet fever, 1.0 in Manchester; from whooping-cough, 1.1 in Leeds, 1.3 in London, 1.8 in Bolton, 1.9 in Salford, 2.1 in Derby, 2.5 in Oldham, and 3.8 in Brighton; and from "fever," 1.1 in Norwich. The 36 deaths from diphtheria included 17 in London, 4 in Liverpool, 4 in Salford, and 2 in Manchester. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2735 BIRTHS and 1612 DEATHS were registered. Allowing for increase of population, the births were 85, and the deaths 100, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18.5, 16.7, and 19.1 in the three preceding weeks, was last week 19.0. During the first three weeks of the current quarter the death-rate averaged 18.3 per 1000, and was 2.4 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1612 deaths included 65 from measles, 13 from scarlet fever, 17 from diphtheria, 106 from whooping-cough, 8 from enteric fever, 11 from diarrhœa and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever,

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last cnumeration such an hypothesis is, however, obviously somewhat untrustworthy.

or cholera; thus, 220 deaths were referred to these diseases, being 14 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 18. Six cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had been 45, 35, and 54 in the three preceding weeks, further rose last week to 65, and exceeded the corrected weekly average by 1; 4 belonged to Marylebone, 17 to Islington, 5 to Shoreditch, and 6 to Battersea sanitary areas. The 13 fatal cases of scarlet fever showed a slight further increase upon the low numbers in the two previous weeks, but were 8 below the corrected average; 2 belonged to Islington and 2 to Camberwell sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1107 scarlet fever patients at the end of the week, against 1083 and 1093 on the two preceding Saturdays; 83 cases were admitted to these hospitals during the week, against 86 and 88 in the two preceding weeks. The deaths from diphtheria, which had been 30, 20, and 21 in the three previous weeks, further declined last week to 17, but exceeded the corrected average by one; 2 belonged to Hackney and 2 to Lambeth sanitary areas. The 106 fatal cases of whooping-cough showed an increase upon recent weekly numbers, and exceeded the corrected weekly average by 20; 7 belonged to Islington, 9 to Hackney, 5 to Shoreditch, 4 to St. George-in-the-East, 4 to Stepney, 6 to Mile End Old Town, 5 to Poplar, 9 to Battersea, and 6 to Wandsworth sanitary areas. The 11 deaths attributed to diarrhaa and dysentery, including 7 of infants aged under one year, were 5 below the corrected average.

The deaths referred to enteric fever, which had been but 2 and 4 in the two preceding weeks, rose last week to 8, which were, however, 3 below the corrected average; 5 belonged to the South group of sanitary areas. The Metropolitan Asylum Hospitals contained 72 cases of enteric fever, and one of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 4

in each of the two previous weeks.

The deaths primarily attributed to *influenza* which had declined in the four preceding weeks, from 17 to 7, were last week 9, of which 4 occurred in the West group of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 375, 296, and 384 in the three preceding weeks, were last week 380 and one below

the corrected average.

Different forms of violence caused 41 deaths, concerning all but 2 of which inquests were held. Of these 41 deaths, 2 were cases of suicide, while the remaining 39 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 7 by burns or scalds, 2 (including one due to eating mouse-poison in mistake for sweets) by poison, 7 by drowning, and 8 (including 5 of infants aged under one year) by suffocation.

The death of the widow of a tailor occurred in the Woolwich Workhouse Infirmary on the 13th instant, whose age was stated to be 101 years; the death was the subject of an inquest, the verdict being "senile decay; death accelerated

" by shock through accidentally falling out of bed on the 1st instant."

GREATER LONDON.

In Greater London 3650 births and 2066 deaths were registered, corresponding to annual rates of 33·1 and 18·7 per 1000 of the estimated population. In the Outer Ring 13 deaths from whooping-cough, 9 from measles, and 8 from diphtheria, were registered. The fatal cases of whooping-cough included 3 in Croydon, 3 in West Ham, and 3 in Walthamstow sub-districts. Measles caused 4 deaths in Tottenham and 3 in Croydon sub-districts; and 2 of the 8 deaths from diphtheria occurred in Hornsey sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.38 ins.; the lowest reading was 29.18 ins. on Tuesday afternoon, and the highest 29.88 ins. at the end of the week. The mean temperature of the air was 46°·1, and 1°·5 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Tuesday and Wednesday, whereas it was below the average during the rest of the week. The general direction of the wind was North-easterly, and the horizontal movement of the air averaged 14.9 miles per hour, which was 3.3 miles above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.38 of an inch. The duration of registered bright sunshine in the week was 27.0 hours, against 29.7 hours at Glynde Place, Lewes.

* See note on first page of this Return.

TABLE 1 .- BINTHS, DEATHS, and METROROLOGY in 28 GREAT TOWNS, during the Week ending 19th April 1890.

-	-								OM.														-				T			
	CITIES	Д ИБ ВОВОИФИВ,	Cols.	- 28 TOWNS.	LONDOM. BRIGHTON	FORTSMOUTH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPIO	BIRMINGHAM.	Northwester.	Derby.	BIRKENHEAD.	LIVERPOOL.	HOLTON.	MANCHESTER.	OLDHAM.	BLACKBURK.	PRESTON.	HUDDERSFIELD	_	ERADFORD.	SHEFFIRED.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	DUBLIE.	
	ALL	In Centi- metres.	24.	26.0	0.07		1.50	1.75	0.23		0.48		,1	0.41	1	1 1		1	B	1 1		0.19	1	0.02		69.0	•	0.13	1.55	
C C	IVAINFALL	In Inches.	23.	0.38	0.38		0.75	69.0	0.51	•	61.0		1	0.16	1	•	1	٠	Ą	B 1		08.0	ı	0.05	1	0.57	!	0.02	0.48	_
AIR.	an.	Centigrade.	22.	6-11	7.83		90.6	68.9	5.30	1	1 2 30	3 1	ı	6.55	1	4		1	1	1 (1 5	82 1	1	4.28	3	3.78	1	4.67	7.52	
OF TH	Mean.	·tiednerda't	21.	43.0	46.1	1	. 8.3	44.4	41.1	8	41.7		1	43.5	1			8	.4	1		29.2	8	2.68	ì	38.8	1	₹.0₹	- 45.0	
ATURE	.3	pe it Lowes	20.	29.5	81.1	117	1000	29.2	6.73	1	1	7 00	.,;1	37.0	1	1	8 ; 8	8	1	1	100	9.08		32.0	1	32.0	1	8.23	- 28.4	
TREFERATURE OF THE AIR.	.18	Rahrenheit Lowes	19.	61.2	0.09		- 6. E9		2.75		1 00			54.5	1	1	1 1	1	8.	å		6.87	1	48.0	1	45.0	1	52.4	1 60	_
-	nding -	From Diseases in Cols. 6-12.	18.	2.3	2.6	2.0	1.3			20.5	_		1.0		27	5.6	9 63	8.0	0.2	0.0	2 . !	2.0	1.0	0.5		_	1.3	**********	4.4	-
Annual Kate per 1006,	corresponding to the Week's Death	From All	17.	6.02	0.61	1.21	6.21	1.21	16.3	8.03	14.7	26.4	16.4	23.8	24.7	30.0	25.6	0.91	21.3	0.00	0 07	27.2	9.18	2.03	50.6	8.83	0.91	24.0	29.9	2
-	1.0183	Uncertified of De	16.	76 2	18		- 1	6.1	1 .	10 ,		1 3	1		30		et 00	_	-		_			63		1			98 6	
1	• 91	risathse(I oildu'A noitutitenI	16.	640 7	338	G N	o 60	12	93	٠ ا	en es	9 00	47	45	63	48	1 2	9	00	6.0 y	.	9 0,	24	9	10	15	120		88 98	
		Inquest Cas	14.	500	105	9 9	21 67	4	1	9	2/ 0/	1 1	1	12	Н	10	3 10	1	7	1 7	-1	01 0	25.00	-	9	11	တ	۵.	0. 4	B
nde	1	Vlolence.	13.	100	17	H.	,	61	1	4	1 -	4 8	1	10	1	9	, or	3	H	1	ı	-	ю «	୍ଦୀ	63	10	c.r	4	9 H	,
The Dratus registered in the Week include		.amdrraid	12.	22	12	H	1 1	1	1	49	1 1	1	1	63	1	C.I	1 1	-	-	1	1	1 .	- 1	1	-	4	1	03	9	1
ne Wee		F'676T.	=	22	∞ I	, 0	23 1	ı	1	i.	1 -	- ب	-	-	-		- 8	Ł	8	1	k"	p=4-	1 -	-	1	1	1	A	63 6	1
od in th	from	Whooping-	10.	176	901	-	H 1	4	1 5	9	01 -	1 4	8	8	41	70	1 6		1	1	1.	63 (00 c	1 1	:	2	-	9	13	17
gister	Deaths from	Diphtheris.	9.	36	17			1	1	1	1	1 -	1 1	4	-	61	4 -	- 1	. \$	1	Ä	į.	1 -	- 8		-	-	1	1	1
THRIC	a	Searlet Fever.	80	43	13	. 8 :			i ·	4	-	1 1	1	2	-	L. 1	H 1	,	7.1	1	7	1	67 0	o 1		1	A ²	1	တ	
e DEA		Messles.	-1	116	29	1	1 1	-	C3	11	1	ı e	9 1	18	1	63	ı	4 %	1	1	8	k.	1 2	3 I		1			21	-
Th		Small-pox.	6.	1	1 1	3		4	1	1	1	1	1 1	1	1	1	1			1	1	1	1	1 1	1			1		1
1	s of	Persons aged 60 Years and upwards.	δ.	927	370	10	10	17	10	39	10 g	2 0	- F	48	19	022	55	9 5	1 9	6	13	88	44	27	17	25	2 2	35	48	44
	Deaths	lo fants under lo Tee I See.	4.	820	356	14	12,	19	61	41	9	13	27 0	62	16	200	.17	25 0	9 6	00	-	50	42	140	3 =	125	φ.	22	62	56
-	guing	1 1	93	2693	1612	74	SS #	27 92	56	184	32	₂	10	280	22	813	95	77.	3 00	34	44	104	180	707	24	03	98	125	304	179
	the Week ending	BIRTES, DEATE	2	6174	2785	106	89	142	80	181	87	108	45	354	16	311	157	50 M	0.00	49	30	126	264	222	86	187	88	152	448	179
-	N the		-			0.63	(A)	0 4	9	10	41	<u>6</u>	F 0	25 62	9	12	60	91	2 93	69	48	35	66	10	90	87	12	10	80	70
	PULATIO	to the middle of the Year 1850.*	j.	9,715,559	4,421,661	142,952	95,352	78,780	. £3,406	461.865	154,344	244,909	100,871	618,463	115,816	579,437	242,509	146,716	105.168	24,253	. 82,034	240,515	568,799	922,200 819 689	156.506	162,987	117,012	271,135	\$30,208	253,082
	Po	у д	00	1 .	•		•		MO	•	•	•	٠		•	٠	•			•	•	8	٠	• (•	•	•	•		
	GA COLO	CITIES AND BORUGHS.	Cols.	98 TOWNS	. MOUNO	SRIGHTON .	NORWICH .	PLYMOUTH .	BRISTOL WOLVERBAMPTON	DIDMINGHAM	RICESTER	NOTTINGHAM	DEBBY .	BIRKENBEAD	BOLTON -	MANCHESTER	SALFORD .		BLACKBUKM -	HUDDERSFIELD	HALIFAX	BRADFORD *	LEEDS -	SHEFFIELD .	STINDERLAND	NEWCASTLE .	CARDIFF.	EDINBURGH -	GLABGOW .	DUBLIN

TABLE 2. LONDON.—Births and Deaths Registered in the SIXTEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
TOTAL Births	2616	2397	2683	2607	2568	2541	2505	2879	2579	2488	2820.3	2735
Males Females .	1834	1227	1357 1326	1329 1278	1310 1258	1292 1249	1257	1490	1289 1290	1301	1437·9 1382·4	1358 1377
Temates .	1202		.020	15,0	1000						1002	
TOTAL Deaths	1417	1600	1573	1755	1649	1743	1460	1529	1551	1426	1712.4	1612
Males	730 687	829 771	806 76 7	907	860 789	889 854	748 712	798 731	792 759	708 718	879·7 832·7	816 796
Females .	031	441	701	840	109	334	113	101	159	/10	032	150

^{*} The numbers in this column are the average weekly numbers in the sixteenth weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

LONDON .- BIRTHS, DRATHS, and METEOROLOGY in the Last THE

TABLI	E 3. LUN	DON.—B	IKINS	, 17152	ino,	and r	TETE	OKOLO	GX III	the	LIASI	THIR	LEEN	WEER	18.
			Jan. 25.	Feb.	Feb.	Feb. 15.	Feb. 22.	Mar.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr.	Apr. 12.	Apr. 19.
TOTAL	Births		2510	2699	2707	2793	2702	2561	2536	2717	2534	2543	2329	2360	2735
TOTAL	Deaths		2227	1849	1749	1809	1847	1802	1889	1771	1637	1571	1419	1619	1612
Ages at Death	40-60	99 ~ ~ . 99 ~ ~ .	775 349 510 503 90	703 282 369 390 105	714 238 334 363 100	763 218 357 390 81	753 256 363 374 101	739 234 324 418 87	798 226 318 428 89	776 196 303 404 92	729 193 296 342 77	743 204 264 309 51	657 183 239 285 55	774 204 275 308 58	783 177 282 291 79
99	$ \begin{cases} Under 1 y \\ 1-5 \\ 5-20 \end{cases} $	ear -	386 294 95	\$50 250 103	372 254 88	352 306 105	893 259 101	367 263 109	394 294 110	392 271 113	381 270 78	366 304 73	310 253 94	372 298 104	356 323 104
Deaths fi	Typhus Enteric Simple Diarrho Dyser Cholera all the mentioned Dis. of	fever - eria - ing-cough fever - Contafever ea and ntery - above-	21 10 22 82 1 10 	11 14 24 67 9 - 9 - 134	8 19 24 91 - 2 - 4 - 148	21 14 39 115 - 12 1 6 - 208	1 14 13 27 103 - 8 1 21 - 188	19 14 24 97 7 1 12 -	35 12 19 9 55 4 1 9 -	35 18 25 86 3 1 14 -	45 11 23 76 - 7 - 14 - 176 381	45 10 30 101 - 7 1 13 - 207	35 8 20 84 2 1 10 -	54 12 21 79 1 4 - 10 -	65 13 17 106 - 8 - 11 - 220
"	" Phthisis		239 193	220 116	209 154	215 143	218 162	224 146	206 163	164 145	169 148	154	180 114	17 4 151	189 133
Violent ! Inquest ! Deaths i	Deaths -		60 142 491	62 127 471	58 125 401	56 137 436	77 143 434	52 134 425	65 120 406	76 162 390	49 115 406	61 117 377	36 85 362	60 133 382	41 105 333
Mean Mean	of Highest r	eadings -	42·7 48·4 36·9	0 42·9 48·3 38·2	37·1 42·7 32·0	35.9 41.7 30.8	39·4 43 9 35·9	35·4 42·0 30·4	36°4 43°6 29°0	45·3 54·0 37·6	43·3 52·0 36·0	49·0 57·3 42·6	43·8 54·9 35·1	43·2 52·0 37·0	6.1 53.8 59.9
Rain-fall	y of the Air l in inches ed Sunshine	(in hours)	84 0·77 14·9	£0 0·73 8·9	89 0·05 9·5	87 0·88 31·2	89 0·04 12·4	87 0·22 9·7	69 0·33 12·1	79 0·24 28·1	82 0·81 21·5	84 0·41 14·6	72 0·00 59·8	72 0·29 22·0	81 0·38 27·0
-				1		-	The state of the last of the l	-		-	-		-		

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott. Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the

			,		S	XTE	CEN'	LH	We	ek of the Year 1890.									
	r the		Ir	the	Wee	ek en h Api	ding	390.			the		Satu	n the	We 19th	ek er	ndins	0.	
	50.	-		eaths	of I	Person					for the			aths	of P	erson			-1
	Averages oks of the 1880-89.	-	1		he A	1 . 1	-		1		Averages iks of the 1 1880-89.*	-		t]	he A	. (- 1	-1	-
CAUSES OF DEATH.	Ave. ks ol		Ţ	Inde: 20.	r	ler 40	under 60	ler 80	and	CAUSES OF DEATH.	Ave Ks of 1880-		Ţ	Jnde: 20.		under 40	er 60		Bud
	Wee	AGES				1 under		l under	Years		Wee	AGES					under	under	Y cars
	Corrected 16th Wee	ALL	0-1.	1-6.	5-20.	20 and	40 and	do and	X 08	1. 1	Corrected 16th, Weel	ALL.	0-1.	1-6.	5-20.	20 and	for of		No Xear
ALL GAMOTO			\$	1		1									1	1	1	1	
ALL CAUSES	1712.4	1612	356	323	104	177	282	291	79	Diseases of Organs of Special Sense †}	8.6	-	-		-	-	-	-	-
Small- Small- Vaccinated -	}17.6	-	-	-	1	7 - -	-	_		Diseases of Circulatory	122.8	133		1	8	16	37	59	12
No Statement	3. 6	-	-	-	-		-			System}	122.8	100			-		-	-	-
Measles Scarlet Fever	64·0 21·4	65 13	13	45 9	7	7.	-	-		Croup	13·1 215·8	8 214	63	5 47	1	3	34	50	15
Typhus	0.4			-	4	-	-	-		Bronchitis	110.9	129	26	43	7 2	9	21	18	5
Relapsing Fever †	0.0	-			-	-	-		-	Pleurisy - Other Diseases of Respi-)	32.9	27	7	2	2	2	9	5	-
Influenza	0°1 85°5	.9 106	29	72	2 5.	1	1	3	1	ratory System S							_		_
Whooping-cough Diphtheria	16.1	17		10	6	1	-		-	Dentition †	18.1	13	7	6	- 1	-	-	2	1
Simple Continued and)	1.6	~	-	-		-	-	_	-	Quinsy, Sore Throat † -	2·7 7·1	6	3	ī	i	1 2	2	-	-
Ill-defined Fever - 5 Enteric Fever	11.0	-8	_	1	5	1	1	_	_	Peritonitis Diseases of Liver	6'8 32'4	32	2	-	1	-	18	8	3
Cholera	0.3	-	-	-		2	-	-	-	Other Diseases of Digestive System -	29.6	21	5	1	1	7	3	4	-
Diarrhoa, Dysentery -	15·7 0·4	11	7	2	1	-	1	-	-	Discount					-				
Remittent Fever† Hydrophobia	0*2	-						-		Diseases of Lymphatic) System & of Ductless	. 2.0	4	-	1	~	1	1	-	1
Glanders	0.0		-	-	-1	-	-	-	-	Glands †)						_			-
Cowpox and Effects of \ Vaccination † }	0.2	- 1	-	-		-		-	-	Diseases of Urinary	42.0	43	1	1	2	6	14	18	1
Venereal Affections -	. 8.6	9	4	1	-	1	8	_	-	System}						_			_
Erysipelas	6.1	5	1	-	-	2	-	1	1	Diseases of Generative)									
Pyzmia and Septiczmia † Puerperal Fever	4·4 6·7	3	1	_	1	3	1		-	System Accidents of Childbirth -	6·5 3·7	2	1	1	_	3 2		_	
Other Zymotic Diseases †	1.7	1	-	1	-	-	-	-	-	2200dChis of Ohidorial					-		_	_	-1
Thrush	1'4	1	1	_						Diseases of Locomotive } System † }	5.8	8		1	5	1	-	1	-
Worms and other Para-	0.8		-	2	- 2				- 1	The									_
sitical Diseases f				_			-			Diseases of Integumen- tary System}	7.0	7	4	-	-	_		8	
Starvation, Want of	2.8		_	1	_		_												
Breast-milk †} Alcoholism	4.9	5	-	-	_	1	4	_	_	VIOLENT DEATHS.§									
							-		-	(ACCIDENT.)	00.1	13		2	3	2	2	3	1
Rheumatic Fever. } Rheumatism of Heart†	7.0	7	-	-	2	3	3	1	-	Fracture and Contusion Gunshot Wound	0.0 0.3	-		-	-	-	_	-	
Rheumatism †	2.5			-	-	-	,	ч	-	Cut, Stab Burn and Scald	6'8	7 2		2	2	1	1	2	-
Gout Rickets †	2°8 4°2	3 7	- 5	2	-	-	_	8	-	Poison	4.6 14.2	7	5	1		1 4 2	3	-	-
Cancer	53'4	52	-		-	5	28	22	2	Suffocation	2.6	8 2	2	-		-	-	-	-
Tabes Mesenterica -	25'3	22	14	5	2	1	-	-	-								-		
Tubercular Meningitis - Phthisis	32°5	28 189	8	17	2	1		10		(Homicide.)	7.5			_		_	_	_	
Scrofula, Tuberculosis -	18'4	19	4	6	17	7d	71	18		Murder & Manslaughter	1.2		_			-			
Other Constitutional }	12.5	6		_	1	-	1	4		(SUIGIDE.)									
Discases ()				_		-		_		Gunshot Wound	1.0	-	-	-	-	-	=	-	
Premature Birth	37°6	40	40	-	-	~	, -	_	-	Cut, Stab Poison	2·2 1·3	2	=	=	=	1	1	-	
Atelectasis † Congenital Malforma-1	3.0	2	2	-	-	-	-			Hanging	2·4 0·8	-	1.3	=	=	=	-	-	=
tions	8'3	4	4	-	7.	-	-1	-		Otherwise	0.8		-	_			-		
Old Age	57:8	52		_		_	_	22	30	(Exponency)									
Apoplexy	45'8	34	1	-	t. 	1	11	21	-	(EXECUTION.)	0.0	-	-	-	-	-	-	-	-
Epilepsy	8.2	9		-	-	2	3	-4	-			-	-	-		-		-	
Convulsions Other Diseases of Brain)	54.9	49	40	9	-	-		-		OTHER CAUSES +	57*4	43	38	1	1	1	2	-	-
and Nervous System	100°6	85	17	15	8	11	11	17	6										
	1 - 2 - 1	ACCOUNTS NOT THE OWNER.	-	1															

the ten years average could not be correctly ascertained, the average for the eight years 1830-89, raised by 9°046 per cent. for increase of population.

the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

ose cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered oner, the case is returned under the heading "no statement."

e withere at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, aughter, or suicide. All such cases are classed under "accident or negligence.".

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASURS, SCARLET during the Week ending

				1		- 11							duri	ng t	ne v	v eek	end	ing
							The	DEA	THE	regist	erad i	n the	Wee	kine	lude			
	Enum -			Dea	hs of		,			Deat	hs fro	m					0	102
REGISTRATION	rated Fopu-	.eg	HP.	7 .0	rds.					ugo,	1	Ver.		1			Publi	Causes
SUB-DISTRICTS.	lation,	BIRTES	DEATHS.	under f Age.	aged & upw	O.K.		Fever	ria.	ige-congr		Or Fe	COD-	œa.		Inquest Cases	in F	od C
	1881.		1 1		Persons Years	Small-pox.	Measles		Diphtheria	hoòpir	Typhus.	srie phoic	Simple c	rrha	Violeace.	lest	the	Uncertified (
		Total	Total	infants Year	Per X	Sm	Mes	Searlet	Dip	W.B	Tyl	Enterie (o	Sim	Diarra	V10	Inq	Deaths	Unc
LONDON	3.815.704	2735	1612	356	370	·	65	13	17	106	fie	8		11	41	105	338	18
	669,633	416	288	60	78	-	7	2	1	17	200	1.	-	1	8	21	80	3
West Districts	905,947	582	371	81	89		27	. 8	₹7	20		i		2	4	15	66	
CENTRAL DISTRICTS	282,238 692,738	145 571	108 292	22 69	15 48	_	8.	2	3	8 28	-	1		2 5	9.	31	29 65	2
SOUTH DISTRICTS - HOS-)	1,265,148	1021	552	124	140	-	17	4	5	33	-	5	-	1	19	31	97	13
PITALS OUTSIDE REGISTRATION LONDON			1	-	-		-	1	-		<u>-</u>		-	-		-	1	-
WEST DISTRICTS. St. Mary Paddington WHH G.J. &W.M.	69888	52	24	4	12	_	2		_	_	_			_			4	
St. John Paddington H - G.J.	87880 120141	9 71	16 50	1 9	3	_	-		1 -	1 4	-	-		-	1	2 3	4 20	-
Brompton H W.M. & C.	48010	17	13	5	4	-	1		-	1	-	-	-	-	-	ĭ	1	ī
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Wow - W.M. & C.	7599 64340 42900	67 68	23 38	10 10	1 10	-	1	ī		i	Ξ-	1	-	ī	1 8	3 5	2	-
Chelsea North-west WHHHHH. C.	30396 24925	17 15	13 18	4	2 5	=	-	1	-	1	7	= 1	14.4	-	1	1	5 12	-
May Fair WW G.J.	32807 80353	22 8	14	3	4	-	1.1	-	-	1	-	-		-	1	1 -	6	-
Belgrave WHHH C. St. John Westminster HHH - C.	59220 35498	23 15	24 14 9	7 2 1	3 4	-	2 -	-		1 2 1	-	-	-	-	1 -	2	5	1
St. Margaret Westminster H - C. St. James Westminster WHH N.R. &G.J	24679 29941	6 14	12	- 2	7	-	1		-	1	/_ "	***	-	-	-	-	4	1 -
St. Anne Soho HHHHHHHH - NR.	16608	5	5	2	_			_					-			1	1	-
All Souls Marylebone HHHHH . W.M.	26759 14391	13	9 2	1	3	-	7-	~	-	-	-	-	-		-	1	2	-
Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone HH - W.M.	24809 21118	14 31 20	7 11	3 2	- 2	-	3.	1	ī	2	-	27		-	-	-	1	-
Bt. John Marylebone H - "W.III.	33700 33633	17 29	8 21	6	2 5	-	1	-	-	-	-	-	-	-	2	1	17.	-
Hampstead WwwHHHH N.R.&W.M Regent's Park Pancras H W.M.	45452 89115	17 12	18	7	5 3	-	-	-	-		-	-	-	1	-	2 -	1	_
Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R. Somers Town H - N.R.	27729 30247 84369	13 26	18 18 9	2.3	7	-	2	= 1		1	. =	-	- 3		= .	2:	12 1 2	-
Camden Town WH N.R. Kentish Town W N.R.	17311 87487	15 51	10 24	5	3 5	-	1	-	ī	-	-	-	-	-	1	1	8 5	
Upper Holloway WwwH N.R. Islington South-west HH N.R.	67946 100976	50 70	38 52	14	18	-	9	1	ī	- 5	- 1	=1	-	-	1	1 3	18	-
Highbury H N.R.	61895 52048	24	25 21	8 4	5		6	ī	-	1	2	1	-	1 -	-	2 3	ī	-
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	8 10 24	5 3 15	3 4	1 1	-	1 1	-		1	-	-	-	=	- :	-	-	-
West Hackney H Hackney WwwwH South Hackney E.L. & N.R.	37610 76911 39888	65 28	40 13	4	11 4	-	-	-	4	5 1	-	-		-	-	1	13	-
CENTRAL DISTRICTS.	1	7	2	2										T. Avenue		,		
St. George Bloomsbury St. Giles South WH N.R. St. Giles North N.R.	16681 14864 13837	5 5	. 9	4	2	-	-	-	-	1	-	7	-	ī	-	-	ī	- 1
St. Martin-in-the-Fields HHN R. & C. St. Mary-le-Strand H N.R.	17508 7515	4 3	9	2	1		2	-	-	-	-	-	-	-	-	1	5	-
St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	8559	1 -	1	-	-	-	-	-	-	=	=	-	-		-	-	7	-
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R.	18671 10706	18	15 3	2 -	4	-	1	-	-	-	-	-	-	-	-	1	7	1 1
Saffron Hill H St. James Clerkenwell Amwell Clerkenwell Pentonville N.R. N.R.	6533 17516 19281	4 5 4	2 3 3	ī	1	1 1 1	1	-	=	1	=	-	1 1	-	-	2	_	-
Goswell-street N.K.	14773 17506	12 16	2 3	-	1	-	2	=	-	ī	-		=	=		-	T-	-
Old-street H N.R. City-road HHL N.R. Whitecross-street N.R.	11541 18628 9217	13 17 10	9	2	ī	-	-		<u>-</u>	1 2		-	-	-	=	ī	ī	1 1 1
Finsbury - N.B. Holborn Union Workhouse, Mitcham, w.	7468 —	-	1	2	-	-	1	-	11.0	= 1		/=	-	1	î .	ī	7.	-
St. Botolph H N.R.&E.L.	11174 7193	10	6 2	1	2	-		-	-	1		1 1		-	-	-	1	-
St. Sepulchre H N.R. St. Bride W N.R. Allhallows Barking N.R.	5358 8396 - 13666	3 4	17 3 2	3	1	-	1	-	1 -	1	-	-	-		-	=	14	-
Broad Street H N.R.	5652	-	-	-	1	-	-	1	-	-	-	-	-	- 1	-	-	-	
		- Company of the last of the l	-		-	-	-	-	-	-11		-	-		-	1		-

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; so—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsex; S. Scuthwark and Vanzhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

B, DIPPTHERIA, WHOOPING-COUGH, FEVER, DIARRIEEA, VIOLENCE, &c., registered in each Sus-district day, 19th April, 1890.

day, 19th April, 1890.		,																
							The	DEA		regist			Wee	k inc	lude			_
	Enume- rated			Deat	hsof		1	1		Death	s from		1	1			110	68
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIBTHE.	Total DEATHS.	Intants under l	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever.	cannot bever.	Diarrags.	Violence.	Inquest Cases.	Deaths in Publinstitutions.	Uncertified Causes
EAST DISTRICTS. ditch South \uparrow $HL^{\#}$ - N.R. on New Town ψ - N.R. on Old Town - N.R. erston WH - N.R. $*$ E.L.	22248 24987 28086 46275	25 28 15 31	8 12 14 28	3 2 8	3 2 6	1111	1 - 24 3	1111	1111	3 2	1111	1111	1111	- - 1	- - 1	1 2 1	1 2 - 10	111
nal Green North H - E.L. all Green South - E.L. all Green East WHL^* - E.L.	51157 34899 41405	46 40 23	22 7 22	4 2 6	8 1 4	1.1.1	1 % 1	1		2 -	1 1 1	1 -	111	7	1 -	2	- 8	1
fields E.L. & N.R. End New Town W - E.L. & N.R. eshapel Church H E.L. & N.R. man's Fields E.L. te N.R. & E.L.	22585 15478 17490 9718 6102	30 23 17 4 8	3 15 19 2 3	1 5 6 1	2 2 -	11111	11111	11711	11111	1	11711	11111	11111	11111	- 1 1	1 1	9 12 -	1 -
eorge's, North E.L. ohn, St. George East W - E.L.	88747 8410 10895	40 5	12 5	1	1 3	1.1	1 1	0 1 1	1	3					-	1 1	3	-
well H E.L. N.R. iff E.L. bouse E.L.	16107 82041 37960	7 15 85	8 11 9	6	- 1	1 1 1		- `	1	3 -	7		1 1 1	2	4	1	-	-
End Old Town West H - E.L. End Old Town East $WwwH$ - E.L. L^* E.L. 1sy $vowH$ E.L. x, WWH E.L.	67653 87074 64359 55077	57 29 60 36	21 16 25 24	3 3 8	3 8 2	1 1 1 1	1 1 1	1	1	8 - 2	11.11		111	1 23 1	4 2	8 6	3 1 12 -	1 111
South Districts.	13663 14999 21331 15953 21318 26672 59555 21623	12 5 17 16 20 14 44 22	2 9 5 8 10 8 29 7	3 4 2 10 -	1 1 2 8 2		1,1111,1	1111111	1111111	1 1 1 1 1 2	111111	1111111	1111111	11111111	1 - 1 - 1 -	1 1 1 1 1	4 1 4 7	2 - 2 -
ave WH S. & L. ary Magdalen W S. ary Magdalen W S. arhithe WH S.	11956 16300 15669 54682 86024	8 18 9 31 25	17 4 8 14 21	3 1 1 2 4	2: -6 -8 5	11111	- 2 2	1111		- 2	11111	11111	11111		1	2	3 7	1111
rioc-road 1st H = - L. & S. rioc-road 2nd H = - L. & S. teth Church 1st H = L. & S. teth Church 2nd WW = L. & S. tington 1st S. & L. tington 2nd S. & L. tington 2nd L. & S. ton 500 L. & S.	15195 16851 19876 39859 45282 35832 62987 19017	7 22 7 39 33 17 41 14	5 6 19 28 17 19 27	3 - 2 6 4 2 6 -	3 3 12 5 7 2	1111111	1111111	1	1 - 1 - 1 - 1 - 1			111111111	11111111	11111111	1 2 -	1 1 2 -	9 14 1	1 2 -
Battersea	54675 52587 86380 28004 13235 25553	56 59 31 28 6 28	24 39 12 15 8 7	9 10 4 5 2 4	7 7 1	111111	2 4 - 2	1	11111	2 7 - 2 1 3	111111		11111	11111	1	33131	7	2 1
erwell $W \omega L^*L^*$ - S. & L. am W S., L., & K. borge Camberwell - L. & S.	5590 59104 71089 50810	2 49 52 53	2 36 28 15	1 9 7 4	10 2 4	1.1.1.1		1111	3 1 1 1	2 2 1	-	1 -	1111		1	1 1 -	18	1 2 -
ul Deptford ww K. cholas Deptford K. wich West H K. wich East WHH K.	76752 7901 21972 24608	83 6 10 22	29 1 8 16	8 - 2	8 - 8 6		2 -	2 -	8 -	1 -		ī	1411		1171	2 - 1	5 - 9	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	8 5 21 10	3 5 3 7	2 2	1 2 1	7 11 1	11.11	1.1.1.1	1111	2 -	8 1 1 8	1	1 171 1	1 1 1 1	1441	1111	1 -	1441
ton H/I K. wich Dockyard K. wich Arsenal HH K. stead, West H K. stead, East W K.	10930 17617 1904- 14009 19241	7 15 19 11 80	8 5 7 8 10	2 -	2 1 1 2 3		1	1111	11111	1 - 1	1111	1 -	11711	11111	1 - 1	1 - 1	2 - 6	1111
politan Asylum Hospitals: irtford w inchmore Hill w	-	H	ī	-	-	-	-	-1	-	- 1	-	-	-	-	-	-	1	-

following Workhouse Establishments are indicated in the above Table by 10 (see note at foot of preceding page):

replaying working working has a limited and in the above Table by a case note at foot of precading page); replaying in Kensington Town sub-district.

It is a super formany in Kensington Town sub-district.

It is a super formany in Kensington Town sub-district.

In Upper Holloway sub-district.

His a super sub-district.

His a super sub-district.

His a super sub-district.

Hotton New Town sub-district.

Hotton New Town sub-district.

Allie End Old Town Eastern sub-dist.

A faile End Old Town Eastern sub-dist.

It April 1890 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South.

TABLE 6 .- LONDON .- OUTER RING .- AREA; POPULATION: BIRTHS and DEATHS registered during

				We	ek en	ding	Satur	day,	19th	April	l, 189	0,					
Regis-		Area				1			The D	EATH	regis	tered i	n the	Week i	inelude		
tration District		Aeres, inclu-	Enume-		1	Das	ths of				Death	s fron	a			1	1
and	REGISTRATION	ding	Popu-	BIRTHS.	DEATHS.	1 16	1 60 7 ds.		-	1.	1	ugb.	1	1	1		blig
Sub- district	SUB-DISTRICTS.	Tidal Water	lation,	121	EA	under of Age.	aged c upw	1 4	1	Fever.	165	00-8	1		l	RAGE	eaths in Public
Num-	. 1,5	and Fore-	1881.	-		ar of	ons sur	l-po	les.	et F	theri	oping	1 :	hook	106.	Set C	he in
bers.	*	shore.				Infants Year o	Persons Years 8	Small-por.	Measles.	Searlet	Diphtheria.	Whooping-cough,	Ferer.	Diarrhos	Violence.	Inquest Cases	Deaths
LON	NDON-OUTER RING	370,924	950,957	915	454	103	136	-	9	-	8	13	1	5	13	27	57
80:1	Carshalton wL ~ Epsom (part of)* WwH	12228 9971	21118 10710	10	15-		5	-	-	-	-		1	- 1	+	14	12
37:1	Godstone (part of) * -	2754	1235	2			_	- 1					_				_
38:1	Croydon Ww L -	20851	101241	64	41.	Б	2	-	3	_	_	3	,		1	2	8
2	Mitcham w †	11697	17982	16	îi	4	2	-	ı	2	,-	4		1		47.20	-
39:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	10 21	6 5	1	2	-,	-	-		- -			-	-	-
8	Esher (part of) * -	6601	9221	- 8	8	-	2	-	- 2	_	-				_	2	_
4	Hampton H	4578	18539	. 4	3	-	`2	-	· -		-		-	-	-,	-	-
40:1	Richmond WH Mortlake	2272 2941	21302 12331	11	9	2	-	-	-	,÷	-	-	-		-	1	1
41:1	Bromley (pt. of) * HH	15669	81142	28	10	1	3	_		- T		-		-	1	1	
2	Chishrst(pt.of)* WHH	14307	15844	13	8	1	7	-	-	-		-	-			2	3
42:1	Bexley H	13487	24184	28	5	8	1		-	-	÷	-	-	- 4	-	- 1	-
124:1	Dartford (Ww, pts. of)*; Sunbury **	11055	11685	2	2	-	2	-	-	-	-	-	-		-	-	2
3	Staines W	18277	12089	5	. 1	_	2	-		- }		_	-	1		_	-
125:1	Hillingdon WHH -	6029	10802	8	2	-	2	-	-		· _	- 2		-	-	1	i
2 3	Uxbridge Hayes wHL	6178	3225	3	2	-	2	-	-	-	-	4	-		-	-	-
126: 1	Isleworth WHH -	7008	11523 22727	10	14	4	2		-	-	1		1.	-	1	1	5
2	Twickenham H-	2477	12479	16	11 3	1	5		1			-		1	1	2	2
3 4	Brentford HL	4845	27649	15	9	-	2	- 1	-	-	-	-	-	-		1	-
5	Chiswick	1340 6088	15975 22876	10 20	11 8	1 2	2 3		-	, -	1	-	-	- 1	1	1	-
127:1	Harrow H	13809	12796	8	4	1	2	_								1	
2 3	Edgware H	6994	8749	1		-	-	-	-	-	-	-	-	-		- 6	-
4	Willesden Hendon W	4883 8382	27453 10484	55	22 6	8	5	-	-	-	1	1	- 1		-	-	-
137:1	Bushey	9831	6621	1	1	-	1	-							1	1	3
2	Watford (W, pt. of) -	-	This to	-	-	-	-	-	- 1	- +		-	/-	-	-	-	
128:1	South Minims Barnet	158 99	6391	5	5	2	2	-	-	-	-			-	1	1	-
3	Finchley HL	54 88 46 38	10092 17615	20	2 15	1	7	-	-	-		-1	-	-	-	-	-
185 : 1	Hatfield (part of) * -	8806	883	-	1		- 1						-				6
129:1	Hornsey H	3089	87078	21	18	3	3	-	_	_	9	_	-	1	_		
8	Tottenham H Edmonton Ww -	4642 7483	46456 23468	77	33	14	5	-	4		-	1	-	-	-	2	1
4	Enfield WH	12653	19104	19	12 11	2 2	5 2	-	-	- 2		1	- 1		1	1	6
5	Waltham Abbey Cheshunt	11017 8480	5348	-	4	-	ĩ	-	-		-	-	-	-	-	_	-
186:1	Stratford	882	7785 38606	7	1	-	-	-	*			-	-	-	-	~	-
2	West Ham wwH) -	4055	90347	38 151	22 44	7	7 9	-	-	- 4	î	1 3	-	2	2	3	-
8	East Ham www Leyton WwL	329 6 4372	10706	26	5	8	-	-	-	-	-		-	-	-	-	-
5	Walthamstow H -	4372 6520	\$2430 28869	39	21 20	9	7	-	-	-	1	-	-	-	-	. 2,	6
187 : 1	Chigwell (part of) * H	11761	9669	3	6	-	. 5	-				3	-		1	_	1
3	Epping (W, pt. of)	****			-	- 1	-	-		1-	-	70	-	-	-	-	-
189:1	Romford (part of) * W	0730 8493	3411 7645	9	1		1	-	-	-	-	- '- '-	-			-51	-
8	Barking Town	4127	9203	10	6	2	2	-		-	1	-	-	-		-	
4.00	he parts of sub-districts	-		-		-	-		- 1	1					- 1		- 1

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstons as district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Brominy sub-district, except the parishes of Cadham as Knockholt (pop. 1815); 41:2, Chiseburst sub-district, except the parish of Orbital (pop. 197); 135:1, the parish of Northaw in Hattle sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 37); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

**Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

**Exclusive of deaths of London residents in the Molborn Union Workhouse (see Table 5).

**Exclusive of deaths of London residents in the Molborn Union Workhouse (see Table 5).

**Exclusive of deaths of London residents in the Molborn Union Workhouse (see Table 5).

**Exclusive of deaths of London residents in Metropolitic Residents in Metropolitic Residents in Metropolitic Residents in Metropolitic Residents in the Molborn Union Workhouse Residents in Strend Union Workhouse Residents in Metropolitic Residents in the Molborn Union Workhouse Residents in Strend Union Workhouse Residents in the Molborn Union Workhouse Residents in Residents in Residents in Residents in Metropolitic Residents in the Molborn Union Workhouse Residents in Residents

Metropolitan Asylum Hospital (see Table 5). § Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolits Asylum Hospital, Winchmore Hill (see Table 5).

On 1st January the two parishes of East Ham and Little Hord were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of Mortality during the Week ending Saturday, 19th April, 1890.

	Area			L RATE			The DE	ATHS	regi	stere	l in t	he W	eek i	nolud	le	
GREATER	in Acres,	Estimated		0 living.	DEATHS	Deat	hs of			. 1	Death	s from	n			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhos.	Violence.	Deaths in Pu
Cols.	1.	2.	8,	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
ATER LONDON	448,334	5,758 500	18.7	2.3	2066	459	506	-	74	13	25	119	9	16	54	395
uner London - uter Ring -	77,410 370,924	4,4 21,661 1,3 36,839	19°0 17°7	2.6 1.4	1612 454	356 103	370 136	-	65 9	18 -	17 8	106 13	8	11 5	41 13	338 57

TE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 00 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8.—Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,225,668 Persons.

						DE	ATHS	FROM	PRIN	ES.	ZYMOT	-
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive o	DEATHS. f Stillborn.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœal Diseases.
CUTTA	433,219	March 8	100	276	33.2	56	4	nea.	-	` `	74	431
MBAY	773,196		224	544	30.2	10	4	p	2	?	215	24
DBAS	398,777	February 28	285	291	37.9	5	12	?	5	?	74	371
						5	49	7	40*	7	8	- 50
RIS	2,260.945	April 12	1098	1163 166	26.8	1	1	1 2	±0.	1	2	.13
USSRLS - • 8 Faubourgs.)	477,288	, 12	247	100	177	1	1			1	~	10
STERDAM -	406,302	3 12	270	161	20.6	-	4		3	. 1	1	
TTERDAM -	203,486	,, 12	132	82	20.9	1	-	-	-	1		
HAGUE -	156,497	, 12	102	56	. 18*6	-	-	1	-	. 1		-
PENHAGEN -	307,000	. 12	204	131	22.2	-	-	1	17	4	1	4
OCKHOLM -	228,218	, 5	113	100	22.8	-	-	8	1,3*	2	.1	5
BISTIANIA -	143,300	, 12	66	100	36.3	-	2	1	8	-	- 1	1
PETERSBURG	924,466	March 29		535	30.2	1	19	15	5	2	5	60
RLIN	1,526,887	29	830	671	22*8	-	10	5	26	12	3	84
MBURG(State)	575,276	April 5	393	227	20.6	-	1	3	12*	4	.3	19
ESDEN	269,250	,, 5	135	109	21.1		1	-	2*	Sint.	7	4
ESLAU	324,143	,, 12	199	144	23.6	1 -	-	3	5*	-	,	7
JNICH	298,000	· ,, 5	238	165	28.8	1 -	2	2	- 5*	2	-	17
ENNA	822,176	, 12	530	447	28.3	1 -	7	2	9	1	1	23
AGUE	314,425	. 12	-	157	26.0	-	4	1	3	3	3	4
DA-PESTE .	463,017	₁₉ 5	365	289	32.5	-	7	, 1	9		2	18
IESTE	160,092	,, 12	71	79	25.7	-	1 -		51	_	31	
ME	415,498	February 22 March 1	301 253	239 237	30.0	1 1	8	1	10	5	41	
RIN (11 days)-	314,827	31		-		-	7	- '	-			
NICE	156,515	April 5	76	60	20.0	7		1,000	21	1 .	-	- 4
IRO	374,838	March 27	343	264	36.7	-	-	-	-	3	16	67
EXANDRIA -	231,396	. 27	232	134	30.5	1	-	-	21	-	6	
W YORK -	1,595,547	29	2	783	25.6	1	14	9	24	6	2	12
COOKLYN -	852.467	29		338	20.7	-	-	3	22	-	-	1.5
TLADBLPHIA -	1,064,277	29	1 -	438	21.5	-	3	1	6	3	13	. 4
LTIMORE -	500,343	29		214	22.3	0.00	13	1	3	2	3	4
W ORLEANS -	254,000	,, 22	-	110.	22.6	-	1		3		1	4
	8	1		1	1)	11	-	_			Contract Contract	-

^{*} Including deaths from croup.
† Including 20 deaths from cholera in Calcutta, and 5 in Madras.
‡ Including 3 deaths in each week from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, April, 1910, 1890. Under the Superintendence of the Astronomer Royal.

1.5 30 0.7 of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: -P. positive; N. negative; w. weak; m. moderate; s. strong; and or here results of all the meteorological observations are to be understood as applying to the The height of the cistern of the barometer is 159 feet above the mean level of the sea; no eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion and minimum thermometers, forming the mean daily value of temperature of the air column 8). "The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average. The themometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show The reading of the barometer decreased from 29.56 in. at the beginning of the week to 29.18 in. 8h. P.M. on the 15th; and increased to 29.88 in. by the end of the week. 27 their readings are registered by the Clerk of the Market, under instructions from Corporation of London. receiving Sum 0.38 in. 0.00 00.0 26 Horizontal DeparMovement ture from of the Air Average on each of Day. Miles. +137 +122 Sum + 548 55 + Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 8h. P.M. Sum 2499 42 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. 1bs. 2.0 2.0 0.0 8.0 0.5 Pressure on the the aggregate duration of bright sunshine on each day. lbs. 0.0 Least. 3 Great-3.5 est. 8.1 21 civil day, or from midnight to midnight, ENE. & NE. ENE. & NE. E. & ENE. 2 NE. & NNE ENE. P.M. General Direction. 3 NE. & NNE. SE. & ESE. E. & ENE. NE. & E. ENE. ZEZ NNE. A.M. 13 metrical Tables. Of the Water of the Thames at Deptford. ₹.2₽ 6.87 18.5 2.84 49.1 est. 18 v. variable. TEMPERATURE. 48.2 48.4 High-9.6 49.5 est, on the Grass. 80.8 37.0 33.5 Of Radiation. 0 Fine: cloudless in early morning; partially cloudy afterwards. Cloudless in early morning; very fine with little light cloud till evening; overcast with rain at night. very fine with light clouds atterwards, with rain at Cloudy with occasional rain in morning; partially cloudy and fine till evening; cloudless at night. overcast High-est in Sun's Rays. 0.611 23.6 63.5 2.001 15 of Hu-midity (Saturation equals 100). generally 28 81 14 GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature. 0.1 7.0 Overcast; occasional miety rain. Cloudless in early morning; afterwards; slight rain at night. 20 1 6.7 12.1 est. 15 nonning; Mean daily value. 0.6 4.0 ereast in m Mean daily value. Dew Point. 31.0 37.4 2.75 9.07 1.7 ò Overeast De-parture from Average of 2.2 2.4 6. FEMPERATURE. Registered Sun above Sunshine, Horizon, in hours, in hours, 51.3 45.8 41.2 1.95 6.67 17.4 00 6.81 Sum 97.1 6.81 14.0 Of the Air. Daily Range 21.6 1902 14.7 0.91 13.0 -0.12 0.8 0.0 7.6 0.0 89.9 41.4 Low-41.5 est. 0 9 57.4 0.09 46.0 9.9 53.8 between mid-nd 2h. A M.: enerally afterest. 0 P. in merning; w. P. till evening; N. at night. generally, with (For explanation of symbols, see Note.) ELECTRICITI. 29.510 23.22 m. N. between night and 2h. A w. P. generally a wards. w. P. generally; 6FF.67 29.589 29.748 w. P. in men m. P. afterwards. between in. .63 .67 w. N. betw ". P. Perigee. W. P. of the 14 19 MONTH AND APRIL. No. of Col. 1890. DATE. VED NESDAY APRIL. MEANS THURS. THURSDAY SATURDAY TUESDAY Mon. SUNDAY MONDAY SUN. FRIDAY FRI. SAT.

OFFICIAL COPY.

WEEKLY RETURN

LONDON AND DEATHS IN BIRTHS

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, APRIL 26. No. 17. 1890. Vol. LI.

Price 1 d.

General Register Office, Somerset House, 28th April, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.7 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending		1 3 31 - 1 11 3		Weeks	ending	
Towns.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	Towns.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.
Birkenhead		10.9			Liverpool		21.4		
Birmingham		18.2	-		London		19.1		
Blackburn -	24.1	28.3	16.0	25.3	Manchester -	28.6	31.5	30.0	30.4
Bolton -	23.9	28.8	34.7	23.9	Newcastle-on-Tyne	27.8	24.0	28.8	30.7
Bradford -	20.6	22.5	22.5	22.3	Norwich	19.7	21.9	20.8	19.1
Brighton -	16.4	18.1	19.8	16.0	Nottingham -		18 3		
Bristol -	18.0	16.8	17.1	20.0	Oldham		22 7		
Cardiff -	22.7	15.6	16.0	24.5	Plymouth		23.8		
Derby -	20.2	24.8	26.4	24.8	Portsmouth -		15.3		
Halifax -	19.1	30.5	28.0	24.8	Preston		18.3		
Huddersfield	10.5	20.5	18.8	17.1	Salford		22.4		
Hull	19.3	21.5	20.2	18.0	Sheffield	1-0	23.7		
Leeds -	24.2	23.4	25.8	22.8	Sunderland -		19.9		
Leicester -	15.5	15.9	10.8	17.9	Wolverhampton -	25.0	28.1	16.3	20.0

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1.1 in Norwich, 1.2 in Liverpool, 1.3 in Plymouth, and 3.6 in Derby; from scarlet fever, 1.0 in Birkenhead and 1.1 in Manchester; and from whoopingcough, 1.3 in Plymouth, 1.4 in Bolton, 1.7 in Salford, and 3.4 in Brighton. The rate from fever did not reach 1.0 per 1000 in any of the twenty-eight towns. The 31 deaths from diphtheria in these towns included 20 in London, 6 in Salford, 2 in Manchester, and 2 in Birmingham. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2538 BIRTHS and 1567 DEATHS were registered. Allowing for increase of population, the births were 285, and the deaths 85, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19.1 and 19.0 in the two preceding weeks, further declined last week to 18.5. During the first four weeks of the current quarter the death-rate averaged 18.3 per 1000, and was 2.2 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1567 deaths included 61 from measles, 17 from scarlet fever, 20 from diphtheria, 88 from whooping-cough, 6 from enteric fever, 1 from an ill-defined form of continued fever, 13 from diarrhea and dysentery, and not one from smallpox, typhus, or cholera; thus, 206 deaths were referred to these diseases, being

25 below the corrected average weekly number.

^{*} The population of each of the 23 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

No death from *small-pox* was registered, the corrected weekly average being 16. Three cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had increased in the three previous weeks from 35 to 65, declined again last week to 61, and were 6 below the corrected average; 5 belonged to Kensington, 8 to Marylebone, 10 to Islington, 4 to Poplar, 4 to Lambeth, and 4 to Battersea sanitary areas. The 17 fatal cases of scarlet fever, though showing a further increase on recent weekly numbers, were 5 below the corrected average; 2 (of patients admitted to hospital from one house in Loveridge Road) belonged to Hampstead, 2 to Islington, 2 to Hackney, and 2 to Poplar sanitary areas. Metropolitan Asylum and London Fever Hospitals contained 1113 scarlet fever patients at the end of the week, against numbers increasing from 1083 to 1107 in the three preceding weeks; 95 cases were admitted to these hospitals during the week, against 88 and 83 in the two preceding weeks. The deaths from diphtheria, which had been 20, 21, and 17 in the three previous weeks, increased again last week to 20, exceeding the corrected average by one; 7 (including 2 of hospital patients admitted from Wandsworth) belonged to the South group of sanitary areas. The 88 deaths from whooping-cough were fewer by 18 than the high number in the previous week, but exceeded the corrected average by 7; 6 belonged to Pancras, 9 to Hackney, 5 to Clerkenwell, 5 to St. Luke, 6 to Mile End Old Town, and 4 to Bermondsey sanitary areas. The deaths from diarrhaa, which had been 10 and 11 in the two preceding weeks, rose last week to 13, being, however, 2 below the corrected average; 8 were of children under one year of age, and 4 of persons aged 60 years and upwards.

The deaths referred to enteric fever, which had risen from 2 to 8 in the three preceding weeks, declined again last week to 6. The Metropolitan Asylum Hospitals contained 73 cases of enteric fever, and one of typhus, on Saturday last; 9 cases of enteric fever were admitted during the week, against 4 and 5 in

the two preceding weeks.

The deaths primarily attributed to *influenza*, which had numbered 10, 7, and 9 in the three previous weeks, were 6 last week, of which 3 occurred in the South group of sanitary areas.

The deaths referred to diseases of the respiratory organs, which had been 384 and 380 in the two preceding weeks, further declined last week to 345, and

were 16 below the corrected average.

Different forms of violence caused 61 deaths, concerning all but one of which inquests were held. Of these 61 deaths, 5 were cases of suicide, and 1 of murder or manslaughter, while the remaining 55 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 2 by burns or scalds, 2 by poison, 7 by drowning, and 19 (including 14 of infants aged under one year) by suffocation.

The death of a stevedore, aged 36 years, occurred in the London Hospital, the cause of which was returned, after inquest, as "syncope while under chloroform

" previous to an operation."

GREATER LONDON.

In Greater London 3326 births and 1961 deaths were registered, corresponding to annual rates of 30·1 and 17·8 per 1000 of the estimated population. In the Outer Ring 26 deaths from whooping-cough, 13 from measles, and 13 from diphtheria were registered. The 26 deaths from whooping-cough included 6 in West Ham, 3 in Leyton, 3 in Walthamstow, and 3 in Tottenham sub-districts. Six deaths from measles were recorded in Tottenham sub-district; and the deaths from diphtheria included 3 in Ilford, 2 in Walthamstow, 2 in Willesden, and 2 in Isleworth sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.66 ins.; the highest reading was 30.04 ins. on Sunday evening, and the lowest 29.08 ins. on Friday morning. The mean temperature of the air was 47°·1, and 1°·2 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday, Friday, and Saturday, but showed an excess on the other days of the week. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 12·2 miles per hour, which was 0·3 mile above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of one inch. The duration of registered bright sunshine in the week was 15·9 hours, against 20·1 hours at Glynde Place, Lewes.

• See note on first page of this Return.

										_		_	_		-	-		-		-	-	-	-	_	-	-			-	-			
	CITIES	BOROTGHS		Cols.	- 28 TOWNS.	LONDOM.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPION.	BIRMINGHAM.	Nortingham.	DERBY.	BIRKENHEAD.	LIVERPOOL.	ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	Deponder Deponder	HUDDERSPIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	The state of the s	GLASGOW.	DUBLIN.
	L.L.	-itn:	In Ce	24.	1.65	2.24	2.02	1 6	4.44	1.37	0# 0	8	0.33	0.81	1	2	1	*	1	ŧ	2 (1	0.30	3 1	3	2	8	ä	1	1 . 1	2.39	\$2.0
	KAINFALL	•89·	qoul al	23.	65	1.00	1.16	1 1		0.54	010		0.13	0.32		ı	1	,	8	1		1 1	1	61.0	1 1	1	å	1	8	1	07.00	0.94	0.50
=	1	.ap	SigitaeU	22.	.0 68.	8.39	19.4	1 1		-	68.9	1	1.00			1	1	r	ı	,	1	1 1	-	66.4	1 1	1	8	8	ı	1	. 0000	90.8	8.78
TEMPERATURE OF THE AIR.	Mean.		Kahrenb	21.	46.2 7	47.1 8	45.7 7	1 1				1	48.1			1	1	1	å	8	1	1 1		45.0		8	ı	2	1	1	-	46.5	
TURE O	-	18 3W 0	7 12	-1	0						24.4 4	1	1 0.66		===	1	1	,	1	1	b	8 1		0.48		1	1	1	4	1	=	34.8	
(PERA)	-		hrenh	20.	.2 33.	2 33.3	0 22.0		_							_								-							I	58.5	
10.00000		se dgi		19.	.89	63.2	54.0				# 1c	-	10.1				·			·	- H	2 0	9	0 88.0	_		67	10	67	6	-1-		_
Annual Kate	corresponding to the Week's Deaths	ui a	From Disease: -0 .aloD	18.	2.1	2.4	8 6	4 60	5.6	6.0		1.0	6.0				1.8	5.6			1 0			0.0						6.0	-	67 60	
Annu	correst to Week?	IIV	From A	17.	20.1	18.2	0.91	1.61	20.2	20.0	20.0	16.5	10.4	24.8	6.41	21.9	23.9	30.4	1.22	18.8	25.3	25.3	24.8	0.00	0.66	29.1	18.0	6.23	30.7	24.2		8.61	22.0
-	1,03.8	tiffled sə(L'to	Unces	16.	78	14	Н	1 1	1	0	21	00 r	- 1	1 1	ı	16	1	00	47	63	24 0	27 0	N -		- 1	=	1 00	1	00	-	-	00 00	13
	1	olic ations	Deat uA tritanl	16.	732	374	00 0	20 44	67	14	0	4 1	, o	7	1 10	44	67	53	23	20	9	က ေ	9 -	2	07	B 10	2 F	7	19	6	-	83 8	22
			faonpal	14.	247	125	1 1	٦ ،	00	10 c	23	12	ەد ھ	٦ -	1 02	23	ಣ	8	4	9	00	67 r		1 0	1 00	- 6	- c	1,10	9 99	4.		a, 0	. 63
ıde	-	6.	Violene	13.	136	61	1 1	٠, ١	-	ତଃ ଓ	81	Ф	1 -	# I	1	19	63	တ	4	63	37	1 1			9 4	₹1 ¢	o -	4 4	1 61	63		03 0	0 63
k incl		.88	Diarrho	12.	35	13	Н.	4 1	1	н	ı	-	1 -	- 1		63	1	10	63	1	1	1	1 1		67 r	- 1	1			-		8 N	3 8
e Wee		-	Ferer.	11.	24	1	1		1	ı	1	1 1	-	٦.	-	63	1	H	67	1		1	1 1		£ =		- 1	-	4 67	4		00 0	2 e3
d in th	rom	-3u	w hoopi	10.	153	00	00	63 63	67	20	1	တ	1 0	77 G	9 I	12	က	H	00	63	67	1	1 1		63 6	24 0	2 -	-	1 00	- 1		9 9	3 20
zistere	Deaths from	-	Diphthe	6	31	20	1	1 1	1	1	1	67	1	1	1 r	- 3	ŧ	c	9	1	1	1	1		1	1	4 .	1 1		2		1 -	
The Dratus registered in the Week include	De	-	Searlet. Fever.	œ œ	56	17	1	H 1	ı	1	L	10	-	1 -	-1 0	2 10	H	oc	-	-	ı	-	1	1	8 0	24 0	9	1 1	. 6	1 1		-	1 1
DRA		-	Measles	2.	101	19	1	1 0	d 63	1	1 -	9	1	1 1	-	1 4	ı ı	6	3 1	å	ı	å	1 -	4	1	1 0	20	l G	a 1	-		eo :	4 62
F.		·x0	Small-po	6.	1	ı	1	1 1	1º	ı	1	ā	•	1	ı	1	1		1 1	1	1	1	ı	ı	ı	1	1	1	4 1	1		1	1 1
	of	-sp.r.	60 Year amdu har	5.	911	87.8	11	11	7	18	14	66	16	32	20 0	30	3 62	9	76	11	17	19	6	10	30	83	54	75 F	12	3 0		30	39
	Deaths of	aged .	Persons	*	838			14	6	22	9	37	15	17	#	00 1	5 %) j	40	g 00	6	13	ಖ	10	14	27	35	14	12	17		17	99 83
-	1		EAAT EAAT Infants un	95	3848			70	31	68	32	146	500	16	48	36	200	3	126	120	09	21	ES :	රිගි	103	159	186	47	900	200		103	301
	Registered during	26th Apr., 1850.		-	-			87	St 88	132	29	623	86	115	22	51	220	an in	305	7.5	26	17	48	44	111	245	188	181	115	93	-	126	190
	Regist	26th	BIRTHS.	67	5730		2038			-		_		_			_	_					-	-ii				en 9	9 1	- 69	- -		_
	POPULATION	estimated to the	he Year 1890.*	-	THE PERSON NAMED IN COLUMN 1	ACC'CT/A	4,421,661	142,952	95,352	18,780	83,406	461.865	154,344	244,909	100,871	105,049	613,463	115,846	879,487	146 716	123.558	105,163	94,253	82,034	240,515	868,799	832,887	213,853	136,506	117,012		271,135	550,208
-	Po	90 5		an an	-!	6					NO	•	•			•					•	•	. 0		•	٠	•	•	• 1	• •	ľ	٠	
		CITIES	воког онв.	Cols.		28 Towns	LONDON	PORTEMOUTH	NORWICH .	PLYMOUTH .	W OLVEBBAMI TON	DIBUTEGHAM	LEICESTER .	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	BOLTON -	MAKCHESTER	SALFORD .	BLACKBURN .	PRESTON .	HUDDERSFIELD	HALIPAX .	BRADFORD .	LEEDS	IELD	· TIOH	NEWSTERN	CARDIFF.		EDINBURGH .	GLASGOW . DUBLIN .
					1		H	M P	Z	24 6	9 5	5	-	1 14	H	-		7			-	200	-	-	plant.	- 90-WH	-	-	-		-		_

TABLE 2. LONDON.—Births and Deaths Registered in the SEVENTEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.**	1890
Total Births Males Females	2559	2829	2490	2514	2807	2561	2515	2516	2577	2522	2823·2	2538
	1308	1430	1294	1217	1402	1326	1253	1307	1297	1279	1429·4	1288
	1256	1399	1196	1297	1405	1235	1262	1209	1280	1243	1393·8	1250
Total Deaths Males Females	1387	1550	1520	1635	1660	1549	1472	1481	1437	1462	1652·4	1567
	727	786	784	84 0	881	793	762	748	750	777	855·8	826
	660	764	736	795	779	756	710	733	687	685	796·6	741

^{*} The numbers in this column are the average weekly numbers in the seventeenth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THI

TABLE 3. LONDON.—B	IETHS	, DE	THS,	anu 1	TELE	JKOLO	GY II	i the	nası	THIR	LEEN	AA EEE	
ş	Feb.	Feb. 8.	Feb. 15.	Feb. 22.	Mar.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr.	Apr. 12.	Apr. 19.	Apr. 26.
TOTAL Births	2699	2707	2793	2702	2561	2536	2717	2534	2543	2329	2360	2935	2539
TOTAL Deaths	1849	1749	1809	1847	1802	1889	1771	1637	1571	1419	1619	1611	1567
Ages at Death 0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & upwards	703 282 369 390 105	714 238 334 363 100	763 218 357 390 81	758 256 363 \$74 101	739 234 324 418 87	798 226 348 428 89	776 196 303 404 92	729 193 296 342 77	743 204 264 309 51	657 183 239 285 55	774 204 275 308 58	782 177 282 291 79	742 197 255 313 60
Under 1 year - 1-5 5-20	\$50 250 103	872 254 88	352 306 105	393 259 101	367 263 109	394 294 110	392 271 113	381 270 - 78	366 304 73	310 253 94	372 298 104	356 322 104	369 286 87
Deaths from Small-pox ,, Measles , Scarlet fever - , Diphtheria - , Whooping-cough Typhus - , Enteric fever -	11 14 24 67	8 19 24 91	21 14 39 115	1 14 13 27 103	19 14 24 97 -	35 12 19 95	35 18 25 86	- 45 11 23 76 - 7	45 10 30 10!	35 8 20 84 -	54 12 21 79	65 13 17 106 -	61 17 20 88 -
", Simple Contafever ", Diarrhea and " Dysentery - ", Cholera	9	4	1 6 -	21	1 12 -	9	1 14	14	13	10	10	11 -	13
,, all the above- mentioned Diseases	134	148	208	188	174	175	182	176	207	160	181	220	206
,, Dis. of Respira- tory System } ,, Phthisis - , Dis. of Circula- tory System }	550 220 116	485 209 154	439 215 143	452 218 162	492 224 146	510 206 163	164 145	3 8 1 169 148	375 154 120	296 180 114	384 174 151	280 189 133	345 154 119
Violent Deaths Inquest Cases Deaths in Public Institutions	62 127 471	58 125 401	56 137 436	77 143 434	52 134 425	65 120 406	76 162 390	49 115 406	61 117 377	86 85 362	60 133 382	41 105 338	61 125 374
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	42·9 48·3 38·2	37·1 42·7 32·0	35.9 41.7 30.8	39·4 43·9 35·9	35·4 42·0 30·4	36.4 43.6 29.0	45·3 54·0 37·6	43·3 52·0 36·0	49.0 57.3 42.6	43·8 54·9 33·1	43·2 52·0 37·0	6.1 53.8 39.9	47·1 56·7 40·1
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	90 0·73 8·9	89 0·05 9·5	87 0·88 31·2	89 0·04 12·4	87 0·22 9·7	69 0·83 12·1	79 0·24 28·1	82 0·81 21·5	84 0·41 14·6	72 0·00 59·8	72 0·29 22·0	81 0·38 27·0	82 1·00 15·9
Registered Sunsmite (in nours)				anabetre.	-		30 1	- CONTRACTOR OF THE PARTY OF TH	AND THE REAL PROPERTY.	1000	22 0	21.0	10 9

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lipplncott, Esq., Bristol; E. Simpson, Esq., Wrotresley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingnam: J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Prestor; J. McLanutsbrough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newçastle-on-Tyne,

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Seventeenth Week of the Year 1890.

		T-		-						eek of the Year 1890	*								
	for the 10 years		Satur	rday.	26t	h Ap	ril 18	390.			for the		Satu	n the	26th	Apı	il 18	30.	
	ages the			t	he A	ges					iges			eaths t	or P		15 01		
CAUSES OF DEATH.	Avera eks of 1880-8	* 85 83		Inder 20.	r	under 40.	under 60.	under 80.	s and	CAUSES OF DEATH.	Averages sks of the 1 1880-89.*	, eg	υ.	Inder		under 40.	under 60.	under 30.	8.04
	Corrected Averages 17th Weeks of the 1880-89.*	ALL AGES.	0-1.	1-5.	5-20.	2) and un	40 and ur	80 and ur	so Years upwards		Corrected 17th, Wee	ALL AGES.	0-1.	1-5.	5-20.	30 and un	un pur 03	8nd	SU Years
ALL CAUSES	1652*4	1567	369	286	87	197	255	313	60	Diseases of Organs of Special Sense †	2:5	3	-	-	1	2	-	-	
Small- pox Vaccinated Unvaccinated No Statement	}16.4	-	-	-	-,	-		-	-	Diseases of Circulatory System	110.0	119	1	1	5	13	30	63	6
Measles	66.2	61	13	41	7		-	-		Croup	12'0	10	3	7		_	_		-
Scarlet Fever	21.7	17	2	10	5			-		Bronchitis	203.5	190 111	51 22	44	2 2	7 20	18 24	55	17
Typhus Relapsing Fever †	0.0	-			-		-	-	-	Pleurisy Other Diseases of Respi-	6.2	10		2	2	1	3	2	3
Influenza	0.4	6	-	-	-	-	5	1	-	ratory System}	35.3	24	6	4	1	2	3	ß	2
Whooping-cough	10.0	88 20	31	53 13	8	1	_	-	-	Dentition †	19.8	14	6	8	_	_	-	-	-
Diphtheria Simple Continued and	1.3	1		-5	1	-			_	Quinsy, Sore Throat † - Enteritis	1.9	10	1	1	ī	1	1 2	1	
Ill-defined Fever - 5	8.7	6		1	2	1	2			Diseases of Liver -	6·7 30·1	10 28	2	1	î	3 5	4 8	1 8	
Enteric Fever Cholera	0.5	-	-	-		-	-	_		Other Diseases of Digestive System -	30.1	35	8	2	2	4	8	9	2
Diarrhœa, Dysentery -	15.3	13	8	1		-	-	3	1.	, , , , , , , , , , , , , , , , , , , ,				_	-	_			
Remittent Fevert	0.0			-	-	_	-	-	-	Diseases of Lymphatic) System & of Ductless }	2.5	-1		_	_	_	1	_	
Hydrophobia Glanders	0.0		-	_			_			Glands †)	-								
Cowpox and Effects of \ Vaccination † }	0°1	1	1	-	-	-	-	-		Diseases of Urinary System	41.7	48	-	-	4	8	11	23	2
Venereal Affections -	8.8	8	7	-	-		1	`	-	Dystett)								_	
Erysipelas Pyæmia and Septicæmia †	5°2 3°4	6	8	-	~		2	1	-	Diseases of Generative	7.0	7	H			3	3		
Puerperal Fever	5.8	5	-	_		1 5		_		System} Accidents of Childbirth-	3.7	5	1			5	-	1 2	-
Other Zymotic Diseases †	2'3	-	_		-	-	-	`-	-				-						
Thursda	1.9	1	1							Diseases of Locomotive } System † }	7.1	7	-	,1	1	2	1	1	1
Thrush Worms and other Para-	0.7		H	H		-		-											-
sitical Diseases}							_			Diseases of Integumen- tary System}	5*8	5	1	-	-	1	2	-	1
Starvation, Want of Breast-milk † }	i 9	-	1	-	-	_		_								_		_	
Alcoholism	3.2	8		_	_	2	5	1		VIOLENT DEATHS.§									
								-		(ACCIDENT.)								70	
Rheumatic Fever. } Rheumatism of Heart†	7.2	6		1	2	1	2	-	٥	Fracture and Contusion Gunshot Wound	22.9	21	-	1 -	1	5 -	-	10	H
Rheumatism †	2.7	5		-	-	-	2	3		Burn and Scald	0.2 2.1	2	-	1	-	=	1	-	-
Gout	3'7 4'4	11	3	-	-	1	~	3		Poison	1.2	7	-	-	2	2	3 2 1		-
Cancer	22.8	53	-	7	1 -	9	20	24		Suffocation Otherwise	14.9	19	14	1 -	-	1	1	1	17
Tabes Mesenteries -	23*4	21	7	10	1	1	1	1					-	-		-	-		-
Tubercular Meningitis - Phthisis	23.2	30	10	10	9	. 1	-	-	-,	(Homicide.)									
Scrofula, Tuberculosis -	180.9	154 20	6	6	15 5	70	51	11	٦	Murder & Manslaughter	2.2	1	1	-	-	-	-		-
Other Constitutional Diseases † }	10.7	12	1	1	1	2	3	4		(SUICIDE.)									
			-	_		-				Gunshot Wound	0.8	ī	-	-	-	=.	-	ī	-
Premature Birth	36*1	· 48	43	-	-	-	-	-	٥	Cut, Stab Poison	2.3	1	=	-	-	ī		-	-
Atelectasis + Congenital Malforma-)	2.8	1	1	-	-	-	-	-	۱	Hanging	1.6 2.5 0.8	3	=	-	-	1	1	1	
tions 5	6.4	5	4	1	-	-		~*.	-	Otherwise	0.8	-	_	_				_	_
Old Age	51.4	40	-	-		_	-	23	17	(Execution.)									
Apoplexy	44.7	39	2	-	1	-3	13	17	3	Hanging	0.0	-	-		-	-	-	-	-
Epilepsy	5°3 48°0	6 39	32	-	1	3	2	-	-			-	-	1		-	-	-	-
Other Diseases of Brain } and Nervous System }	97'8	78	13	7- 17	4	4	12	26	- 53	OTHER CAUSES †	55.8	58	46.	-	-	1	4	4	3
The numbers in this o		1	1					1	1	1	de nor as	1	_		1		1	1	_

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9 046 per cent. for necross of population.

† As the ten years average could not be correctly ascertained, the average for the eight years 1882-5 has been used.

† Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been raccinated, or when the cause of death is not correctly by a registered practitioner, the case is returned under the heading "no statement."

† The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."

^{62359.-4.} R 3

TABLE 5. LONDON. Population; BIETHS; DEATHS from all Causes, and from Small-pox, Measles, Scari during the Week endi

		-	·				.,		5	,	1.1					Veek	end
							The	DE/	ATHS:	regist	ered i	n the	Wee	kine	lude	,	
	snume-			Deat	ths of					Deat	hs fr	om				1	
. REGISTRATION	rated Popu-	. g.	E.S.	4 4	. 60 vd3.				1	ngn.	1	Ver			1		ublic
SUB-DISTRICTS.	1 stion,	BIRTER	DEATER	under of Age.	aged (X.	,	Fever.	ia.	09-60		(or) Fever	COD-			Cases	rioni
·	1881.			nta	Persons Years	Small-pox.	Messies.		Diphtheria	hooping-coug	Typhus.	rie	ple c	Diarrama	Violence	1686 (Deaths in Public Institutions.
		Total	Total	Infanta Year o	Per	Sm	Mes	Scarle	Dip	Wb	Typ	Enterie (o	Simple c	DIS	Viol	Inquest	Deal
LONDON	3,815,704	2538	1567	369	373		61	17	20	88		6	1	13	61	125	374
West Districts	669,638	369	260	59	76	*	10	2	8	9	-	1	-	2	7	16	71
North Districts	905,947	568	370	78	94	-	22	7	5	23	-	2	1	3	12	31	80
CENTRAL DISTRICTS	282,288	155	118 294	21	27	-	8	1 2	1	11	_	-	-	1 2	3 13	32	32
EAST DISTRICTS - SOUTH DISTRICTS	692,738 1,265,148	550 896	525	74 137	54 122	1	17	5	7	26	-	2		5	26	37	98
METRODOTTEAN ASTITUTE POST	2,200,210	-		-		-	1_		-		_						
PITALS OUTSIDE REGISTRATION LONDON				-		-	-	-	-		-	<u>-</u>		-	-	-	
WEST DISTRICTS. St. Mary Paddington WHH G.J. &W.M.	69888	33	28	9	5	Ξ	1	-	1	2		•	_	-	2	3	4
St. John Paddington H - G.J. Kensington Town Ww W.M.	87880 190141	11 64	10 45	1 8	3 16	-	3	_		1	-:	1	7.	† -		_	15
Brompton B W.M. & C. St. Peter Hammersmith W.M.	43010 7599	12 5	11	4	2	2	2	-	-	-	-	-	-		1	1 -	2
St. Paul Hammersmith H W.M. & G.J. Fulham Weow - W.M. & C.	64340 42900	49 44	20 84	8 6	6 7	-	ī	2	~î	ĩ	-,	-		-	î	2 2	1 5
Chelsea North-west WHHHHH- C.	30396 24925	23 22	8 24 15	3 2 7	13		- 1		1	- 2	-)	-	- 1	~ 1	1 1	1 "	2 19
Chelsea North-east - C. May Fair WW G.J.	80353	9	11 21	-	5	-	-	-	-			-		-	1	2	6
Belgrave WHHH- St. John Westminster HHH - C. St. Margaret Westminster H - C.	59220 85496 24679	32 17 15	11 10	6 5 1	2 2 5	Ē		=		2	-		-	1	2	1 -	9
St. James Westminster WHH N.R.&G.J.: St. Anne Soho HHHHHHHH - N R.	29941 16608	14 8	9	3	, 4 1	-	ĩ	-	-	4	-		-	-			3
NORTH DISTRICTS.			10														
All Souls Marylebone HHHHH W.M. Cavendish Square HHHHH W.M. Rectory Marylebone WH G.J. & W.M.	26759 14891	11 6 9	12 5 7	ĩ	2 2 1	-	-		-		-	-	-	-	1 -	3	8
St. Mary Marylebone WH G.J. & W.M. Christchurch Marylebone HH - W.M.	24809 21118 33700	24 23	12 19	1 4 5	3 4	-	3 2	-		1		-	-		-	-	ĩ
St. John Marylebone A - " "	33638 45452	19 30	13	3	2 5	- 1	2		1	3	=	-	-	-	1	2 -	. 2
Hampstead WwwHHHH N.R. & W.M. Regent's Park Paneras H W.M.	89115	11	10	2		_		2					-		1	3	5
Tottenham-court wHHHH N.R.&W.M. Gray's Ina Lane HHH - N.R.	27729	10 23	16 14	3	4 2	-	2					-	-	1	1	1	8
Somers Town $H N.R.$ Camden Town $WH + N.R.$	80247 84369	23 9	9	3	2 11		-	-		2	-		-	- 1	1	ī	2
Kentish Town W N.K.	17811 87487	51	28	8	12	1-	ī	-,		3	-	-	-	-	2	1 4	10 3
Upper Holloway WWwH N.R. Islington South-west HH N.R. Islington South-east N.R.	67946 100976 61825	54 74 31	35 35 21	<i>5</i> 8 6	10 4	, <u>-</u>	4	ī	ī	3	-	1	-	-	2	3 2	14
Highbury H N.R.	52048	26	23 -	6	7 1		8	-			-	-	a =	1 -	1	3.4	3
Stamford Hill E.L.	92781 9277 87610	12 25	6 12	1 2	4 8	77	-	-		î		= \	-	ĩ	-	-	-
West Hackney H N.R. Hackney $WwwwH$ E.L. & N.R. South Hackney E.L.	87610 76911 39883	59 20	50 10	9	12	-	-	4	8	6 1	=	ī	i	=	1	3	21
CENTRAL DISTRICTS.													1				,
St. Géorge Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864 18837	8 14 4	6 1	1	1	-	1	-	-	-	-	-	-	=	-	-	2
St. Martin-in-the-Fields HH N R. & C.	17508	3	8	1	2		-	_	-	1	-	-	-		-	-	3
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515 8559	2	9	2	2	-	1 -	-	ī	-	=	-	-	-	-	1	4
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R.	18671	4	13	1	3 4	-	-	-	1		-	-	- 1	-	-	-	5
Saffron Hill H N.R.	10706 6533	5 4 15	3	1	1	-	, -	-	-	-	-	-	-	-	= 1	1	-
St. James Clerkenwell N.R. Amwell Clerkenwell N.R. Pentonville N.R.	17516 19281	14 7	1 3 3	3	=	-	~	-	9 ,	1	-	-	-	-	1	1	-
Goswell-street N.R.	14773 17506	10	- 6	3		-	-	-		2 2	-	-	-	-	-	ĩ	
Old-street H N.R. City-road HHL N.R.	11541 18628	13 28	13	3	3		ĩ	1		1		-	- 1	-	-	- 1	3
Whiteeross-street N.R. Finsbury - N.R.	9217 7468	4	5 2	1	1	-	-	-	-	3	=,	-	-	1	-	1	-
Holborn Union Workhouse, Mitcham, w. St. Botolph H N.B.&E. I.	J1174	7	4	4	3	-		-	-	-			-	-	- !	1	-
Cripplegate N.R. St. Sepulchre H N.R.	7198 5358	-4	1 14	ī		-	-		-	-	-	-	-	= 1	1	1	-
St. Bride W N.R.	8896 13666	\$	6	- 1	1	-	1	-	2 -	-		-		-	-	-	13
Allhallows Barking N.R. Broad Street H N.R.	5852	1	1	-	1 -	_	- :	[-]	-	-	-	-	-	-	=	-	=
	-	-		-		-				1			1				

NOTE.—The Italie letters pinced against the names of the sub-districts denote Public Institutious situated therein, nam.ly: W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers; are received; w—Workhouse Establishmen receiving immates from other Districts, than that in which it stands, (see note at the cost of aext page). The Roman sapitals signify the Was Companies which supply the different sub-districts:—ct. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsex; S. Suthwar and Yankhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

E, DIPPTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district day, 26th April, 1890.

							The	DEA	THS T	egiste	red ir	the .	Week	incl	ade			
	Enume-			Deat	hsof	-			I	Peath	from						1	70
REGISTRATION 8UB-DISTRICTS.	rated Popu- lation, 1881.	Total Braras.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years a upwds.	Small-pox.	Measles.	Soariet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Forer,	Simple con-	Diarrhoss.	Violence.	Inquest Cases,	Deaths in Public institutions.	Uncertified Causes
EAST DISTRICTS. itch South † HL* - N.R. 1 New Town w - N.R. 10ld Town - N.R. 1 Next Town - N.R.	22343 2#937 28036 46275	10 15 23 44	12 13 7 17	3 8 4 4	3 1 7	1.1.1.1	1 1 -	1111	1111	- 1 1	111	1111	1171	1	.1	1 2 -	2 4 - 5	1111
I Green North H E.L. Il Green East $WHL*$ - E.L.	51157 34899 41405	33 40 33	21 11 18	9 6 2	5 - 7	- :	111			3 -		111	111	1	1	1 2	3 - 12	-
elds E.L. & N.R. an's Fields E.L. N.R. & E.L. & N.R.	22585 15478 17490 9713 6102	15 29 13 5 5	7 17 25 - 3	1 2 2 - 1	4 1 2 - 1		1	11111	1111	11111	1+9+1	1 1 101 1	1111	1111	3 -	1 5 -	11 18	1,11,11
orge's, North E.L. in, St. George East W - E.L.	88747 8410 10895	40 8 3	12 9	5 1 1	1 - 1	-	1 1	-	1 1	1 -		1 1 1	-	1 1 1	1 -	2 -	7	1.1
ouse E.L.	16107 32041 37960	7 20 84	18 7	6 2	2	-	1		1.	2		11 11	11 1	11 11	1	8	- 8	1
and Old Town East WwwH-E.L. WWWHE.L. E.L. E.L. E.L. E.L.	87653 87074 64359 55077	43 34 49 47	22 5 25 28	3 1 4 8	6 . 1 . 7 . 2		2 2	1 - 1	- 1 1	5 - 4	1 1 1	1 111			2 2.	5.6	19 2	
SOUTH DISTRICTS. church Southwark WH L. & S. coad - S. & L. ch-road WH - S. & L. croad WH - S. cro	18663 14999 21381 15953 21318 26672 59565 21623	7 15 12 12 13 19 37 18	8 4 3 6 3 9 26 8	1 1 2 1 5 6 2	1 - 1 1 8 1	11111111	2	1111111	1	1111111	Tirring.	T. T. L. L. L. L. L. L. L. L. L. L. L. L. L.	mini	1166118	18111114	3 4	3 - 2 4 8	111 - 2
ve WH S. & L. r Market S. & L. ry Magdalen W - S. nes Bermondsey - S. hithe WH S. & K.	11956 16800 15669 54682 36024	7 9 13 38 33	12 4 9 22 19	1 3 12 4	1 - 6	-	2	- 1	1111	1 - 1 4 1	1 1-1 1	11111	11111	1111	2 2	1 8 4	4	1111
00-road 1st H L. & S. 00-road 2nd H L. & S. th. Church 1st H . L. & S. th. Church 2nd WW L. & S. gton 1st S. & L. gton 2nd S. & L. gton 2nd L. & S. dt L. & S. dt	15195 16351 19876 39859 45282 35382 62837 19017	7 16 14 38 33 23 42 4	10 6 19 20 14 10 20 8	3 2 3 2 4 2 5 3	1 3 7 3 2 8 3	1111111	3	1	8 1 1 1 7 1	1	Hirriter	11111111	1111111	1	2 - 1 3 -	31113	10 14 - 1	1 1 1 1 1 1
attersea	54675 52587 36380 28004 13235 25553	48 39 11 26 6 17	20 81 9 13 5	7 10 4 4 -	1 8 1 3 1 6	111111	3 1 - 1	1 -	11111	8 - 111	111111	11111	1,1,1,1,1	1 1 -	1	1 - 1	11 1 2	1
h L. & S. & L & S. & L & K	5590 59104 71089 50810	2 39 54 44	88 32 15	1 9 3	15 9 4		1	- 1 -	i	1 2 1	1111	ī		ī -	1	1 1 -	28	
al Deptford wav K. holas Deptford K. vioh West H K. vich East WHH K.	76752 7901 21972 24608	61 8 17 15	35 13 16	11 - 3 6	4 5 3		8 -	1	1 -	1 2	1111	1111	1 1 2 2		2 2	2 2	2 2 5	
H K. am WH K. L.	5048 21559 19865 26076	12 19 17	1 5 12 10	3 2 2	- 1 7 3	1 1 1 7	- 1			1 2		1,11,1	-	1/1 1 6	= -		4	1111
on HH K, ich Dockyard HH - K, ich Arsenal HH - K, kead, West H - K, kead, East W K,	10930 17617 19048 14009 19241	11 7 10 18	8 3 2 5 16	1 1 1 - 6	1 3 -		1111		1	1	11111	1 1 1 1	7 1 1 7	11/11	1	ī - -	1 3	1
politan Asylum Hospitale: rtford w	=	-	-	-	11	Ţ.	-	7-	-	-	-	-	-	-	-	-	-	-

Onlowing Workshouse Establishment are indicated in the above Table by w (see note at foot of preceding page):-

rylebone infirmary in Kensington Town sub-district.

It April 1890 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during

Regis-		Area	1		1	1_			The I	DEATH	s regis	itered !	n the	Week	inelud	8	
ration District	* * *	Acres,	Enume-	-		Des	aths of	1				hs from					
and	REGISTRATION	inclu-	rated	HS.	IIIS.	-	100	1-	1	1	-		1	1	1		0
Sub- district Num- bers.	SUB-DISTRICTS.	Tidal Water and Fore- shore.	Population, 1881.	BIRTHS.	DEATHS	Infants under Year of Age.	Persons aged Years & upwd	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public
LON	DON-OUTER RING	370,924	950,957	788	394	99	111	-	13	1	13	26	2	1	11	24	-
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118	17	6	2	3	-	-			1	-	-	-	-	
37:1	Godstone (part of) * -	2754	10710 1235	7	4	8	-	-	-	-	-	-	-	-	-	2	1
38:1	Croydon Ww L -	20851	101241	58	49	10	17		-	-	-,	-	-	-	-	-	-
2	Mitcham w + -	11697	17932	18	3	1	1	-	1 -	-	1	2	-	-	1	4	11
39:1	Wimbledon HHH - Kingston WHH	8220	15950	24	2	-	. 1	,			-		-	_	_		
8	Esher (part of) * -	8549 6601	36354 9221	25 4	10		6	: -	-4	1 -	-	2	-	-	-	-	7
	Hampton H	4578	13539	. 8	7	- 3	1	-		, -	-	-	-	-	2	2	-
	Richmond WH Mortlake	2272	21302	5	11	2	8	1	1 -	-	1	_		_	_	-	2
	Bromley (pt. of) * HH	2941 15669	12331 31142	8	6	1	-		-		-	1	-		1	1	-
	Chishrst(pt.of)* WHH	14807	15844	20 13	10	8	3	-	- 1		-		-	-	-	-	-
	Bexley H	18437	24184	14	5	8	-	,-	_							1	2
	Dartford (Ww, pts. of)*1		- 1		-	-		-	-		-	-	-	_		-	-
! '	Sunbury w	11055	11688	7	3	-	8	-	-	-	-	-	-	-	-	_	_
04.3	Hillingdon WHH -	6029	10802	9.	7	1	4	-	-	7	-		-	-	-	-	4
n 1	Uxbridge	6178	5225	4	1	1	1	-	2	-	_	-	_	-	-	-	1
	Hayes wHL -	14587	11523	12	6	-	8		-	}	-	-	-	-	_	-	3
	Isleworth WHH - Twickenham H	7008 2477	22727 12479	11 8	5	1	2	-	1-1	-	2	1	-		-	_	-
. 1	Brentford HL	4845	27649	22	9	1	3	-		-	-	-	1	-	-	-	-
	Chiswick	1340 6088	15975	11	4	1	-	-	-		-	1	-	-	-	1	-
	Harrow H	13809	22876 12798	29	9	2	2	-	-	-		_ 1	-	-	-	-	-
	Edgware H	6994	3749	6	7	3	1	-		1	-	-	- j	-	-	-	-
	Willesden Hendon W	4383 8382	27453	41	15	4	1	-	1	1	2	-	-	-	1	2	-
	Bushey	9831	10484	8	9	2	5	-	-	-	-	-	-	-	-	1	3
2 1	Watford (W, pt. of) * -		0021	8	1	1		-	-	7	-		-	-	-	-	-
-	South Min.ms	158 99	6391	8	-	-1	-	-	,_				-		-	-	-
0 1 *	Barnet :	51 88 46 38	10092 17615	7	1	-	1	-	7	-	-	-	-	-	_	-	
	latticid (part of) * -	3806	588	13	18	-	6	-	-	-	-	1	-	-	-	-	6
	Hornsey H-	3039	87078	28	11	3			-	-	-	-	-	-	-	-	-
0.1	Cottenham H	4642	46456	58	25	8	1	-	6	-	1	1 8		-	1	2	-
₫ E	Infield WH -	7483 12653	23463	18	8	3	2	-	-	-	-	-	-	-	-	_	3
		11017	5368	3	5 2	1	1	-	-		-	-	-	-	1	1	1
	tratford	8480	7785	2	2	1	1	-	-	-		-				_	-
- 1	Vest Ham wwH# _	882 4055	38606 90347	28	9	8	2	-	-	-	-	-	-	-	_	_	_
8 E	last Ham ww	3296	10706	20	43	18	10		-	-	-	8	1	1	1	1	-
	Valthamstow H	4372	32430	31	28	3	9	-	1	-	1	3	-		2	- 2	9
1	N	6520	28869	31	16	8	1	-	1	-	2	3	-	-	-	-	-
	pping (W, pt. of)* -	11101	9669	4	3	-	1	-	-	-	-	-	-	-	1	2	_
9:1 R	omford (part of) * W	6730	3411	3	1		3			-	-	-	-	-	-	-	1
2 11	ford	8493	7645	10	7	1 5	2	[]		_	3	100	-		-	-	1

^{*} The parts of sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingnam and Farley in Goddions sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1993); 41: 1. Horomate sub-district, except the parish of Esher (pop. 1993); 41: 1. Horomate sub-district, except the parish of Chelsfield (pop. 1913); 11: 12. Ohistourest sub-district, except the parish of Chelsfield (pop. 1971: 135: 1, the parish of Northaw in Rately also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 187: 2, Epping, sub-district, except the Parish of Workhouses of Dagesham in Romford sub-district also deaths of London residents in the Holbert Union Workhouse (see Table 5).

1. Exclusive of deaths of London residents in the Holbert Union Workhouse (see Table 5).

2. Exclusive of deaths of London residents in the

is default in vortabless senonging to due outer lying in 2:2; Dathorn, 15:2; Wallorn, and or, Strapping, and distinct.

† exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

† Exclusive of deaths of London residents in the Holborn Union Workhouse and in Metropolitan Asylum Hospital (see Table 5).

† Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Metropolitan Asylum Hospital (see Table 5). Asylum Hospital, Winchmore Hill (see Table 5).

| On 1st January the two parishes of East Ham and Little liford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

BLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS). - DEATHS and Rate of MORTALITY during the Week ending Saturday, 26th April, 1890.

	Area			L RATE			The Da	ATHS	regi	stered	l in t	he W	eek i	nelud	.8	
GREATER	Acres, including	Estimated Population,		0 living.	DEATHS	Deat	hs of]	Death	s from	m			Public jons.
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14,	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8,	9.	10.	11.	12.	13.	14.	15.	16
TER LONDON	448,334	5,758 500	17.8	2.4	1931	463	484	-	71	18	33	 114	9	14	72	430
TER RING .	77,410 370,924	4,421,661 1,336,839	18·5 15·4	2.4	1567 394	36)	373 111		61 13	17	20 13	88 26	7 2	13	61 11	874 56

E.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 1522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,225,668 Persons.

ITIRS.	POPULATION				ANNUAL	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.						
	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Discusses.
JITA	433,219 { 773,196 398,777 {	March 15 22 April 1 March 7	348 274 258	262 290 457 287 280	31°5 34°9 25°6 37°4 36°5	77 57 12 3	1 3 6 13 12	1 10.0.0.	I landup.	1 2.6.0.	61 68 157 65 77	39+ 48+ 22 48+ 47+
sels Faubourgs.)	2,260,945 477,288	April 19	1167 259	1125 175	25°9 18°9	1 -	47	. 9	31* 1	9	7 2	57
BRDAM - BBDAM - HAGUB -	406,302 203,486 156,497	, 19 , 19 , 19	303 139 110	171 89 46	21°9 20°7 15°3		3 -	-	8 -	2 - 1	1 -	1 1 1
THAGRN - THOLM -	307,000 228,218 143,300	" 19 " 12		145 90 54	24.6 19.8 19.6	-	2	2	16 3*	5 2 1	1	2 6
TERSBURG	924,465	" 5 " 5	-	520 693	29.3	-	14	18	11 28	21	9	44 80
BURG(State) DEN	575,276 269,250 324,143	" 12 " 12	453 152	270 137 174	24°5 24°5 28°6	-	2	1 1	11* 6' 9*	1	7 -	11 6 13
ICH	298,000 822,176	, 12 , 19	264 537	181 447	31.6 28.3 24.7	- 2	6 6	1 3 4	5* 5	1 4	2 2	27 22 4
-PESTH -	\$14,425 463,017 160,092	,, 19	360	337 88	37.8 28.6	-	5	1 -	11	-	3 -	<u>22</u> 5
m (11 days)-	415,498 { 314,827 156,515	March 8	267 1 268	254 221 243 63	31.9 27.7 25.6 21.0	1 1 9	8 7	=	817 5	1 -	3‡ 3‡ -	3 10 22 2
O	374,838 231,396	,	325	264 143	36·7 32·2	- 3	-	1	21	2 2	22	63
YORK - DELYN - LADELPHIA -	1,595.547 852,467 1,064,277	"	5 -	753° 318 390	24·8 19·3 19·1		13 2 5	14 3 2	23 17 9	8 4 3	3 12	9 5 3
TIMORE - ORLEANS -	500,843 254,000	1 "	5	191 113	19.9	-	111	1	5 3	2.	4 4	5
	aluding deaths											

^{*} Including deaths from croup.
† Including 22 and 30 deaths respectively from cholera in Calcutta, and 2 and 3 respectively in Madras,
‡ Including 3 and £ death respectively from malarial fever.

TABLE 9.-METEUROLOGICAL OBSERVATIONS taken at the ROYAL ONSERVATORY, GREENWICH, during the Week ending Saturday, April 26th, 1890. [Under the Superintendence of the Astronomer Royal.]

1.0 6.6 0.0 0.0 8.11 8.0 3.7 The height of the cistern of the barometer is 159 feet above the mean level of the sea; no The average temperature of the air is that derived from a discussion of the photographic The results of all the meteorological observations are to be understood as applying to the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are during the twenty years ending 1868 for the thermometers. With the corrected mean reading temperature of the air In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptiond, and their readings are registered by the Clerk of the Market, under instructions from the The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and of the dry bulb thermometer is combined the corrected mean of the readings of the maximum (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrorecords made at Greenwich during the 20 years ending 1868, and that of horizontal movement The reading of the barometer increased from 29.88 in. at the beginning of the week to 30.04 symbols employed are :- P. positive; N. negative; w. weak; in. moderate; s. strong; The record of Electricity is derived from Thomson's self-registering Electrometer, eceiving in a Gauge whose Sum 1.00 26 of the air from a discussion of the anemometric records for the 16 years ending 1875. Depar-ure from of 16 Years. Average Miles. Sum + 53 +152 +184 -114-134+181Robinson's. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Horizontal | of the Air Miles. forming the mean daily value of 178 423 442 Sum 2052 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. 0.0 0.0 0.0 4.0 Pressure on the the aggregate duration of bright sunshine on each day. Least. (bs. 0.0 0.0 0.0 Greatest. 21 NW.&WSW. W. WSW. Variable General Direction. P.M. and minimum thermometers, SW. - "lower," than the average. SW. & WSW. WSW. R W SW. & NE. SSW. RSW E. & Calm. SW. # W. N. S. W. A.M. Corporation of London. 19 metrical 'lables. Of the Water of the Thames at Deptford. 8.64 9.67 6.87 8.67 49.3 LOWest. 18 v. variable. High-0.6 6.6 50.4 9.09 6.6 est. on the Grass. 9.08 33.5 25.9 33.6 Of Radiation. 82.0 1.5 Cloudless in early morning; partially cloudy and fine till afternoon, with solar halo about 4h. P.M.; overeast afterwards, with rain at night. Orereast generally; gloomy in morning. Rain fell till 4h. A.M., and a little alight rain also fell in evening. between ll night, Very fine in morning; cloudy and very gloomy at times till evening, with rain throughout afternoon; dense haze and fog at night. Overcast and showery in morning; fine afterwards'; partially cloudy till evening; cloudless at night. Fine in morning; generally overcast afterwards, with occasional slight rain. Cloudless High-est in Sun's Rays. 69.5 0.94 \$.16 84.5 0 14 Overeast till afternoon; fine afterwards. Overcast till afternoon, with heavy rai, 7h. A.M. and 1h. P.M.; partially cloudy then cloudless. 79 83 67 90 88 83 GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature, 0.0 ₹.0 Very gloomy in torenoon. 8.1 14.3 12.5 est. Mean daily value. 0 2.2 2.3 3.7 Of the Dew Point. Mean daily value. 89.4 41.8 87.9 15.3 9.9 86.8 7.95 parture from 8.0 1.5 + + ī 1 + FEMPERATURE. 42.2 9.8 Registered Sun above Sunshine, Horizon, in hours. in hours. 50.5 1.4 43.1 14.5 14.5 14.8 7.51 7.51 14.5 14.1 Of the Air Range, 10.5 24.5 9.91 9.91 9.61 0.61 2.5 9.7 2.0 0.0 0.0 6.4 38.5 33.3 Low. 43.8 40.4 40.1 8 est. 41. 2.19 59.3 0.79 49.3 m. P. in morning; w. N. and v. P. atter-wards. est. 16 w. P. and w. N. in morning; v. P. and w. N. afterwards. w. P. till 9h. A.M.; w. N. and v. P. atterwards. s. N. till sh. P.M.; w. N. and w. P. after-ELECTRICITY. (For explanation of symbols, see Note.) w. P. throughout 30.00 29.600 29.808 20.441 Mean w. P. generally in. .65 Greatest Dec. N. Moon. of the 00 03 23 26 21 MONTH AND 1890. DATE. THURS. . APRIL. DAY. MEANS TUESDAY WED. TUES. SUN. MON. FRI.

OFFICIAL COPY,

RETURN WEEKLY

LONDON DEATHS IN BIRTHS AND

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 18. 1890. Vol. LI.]

WEEK ENDING SATURDAY, MAY 3.

Price $1\frac{1}{2}d$.

General Register Office, Somerset House, 5th May, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.6 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	Weeks ending					Weeks ending				
Towns.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	Towns.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Derby - Halifax - Huddersfield Hull - Leeds - Leicester -	10·9 1 18·2 2 28·3 2 28·8 2 22·5 1 16·8 1 15·6 2 24·8 3 30·5 2 20·5 2 21·5 2 23·4 1 15·9 1	20·8 16·0 34·7 22·5 19·8 17·1 16·0 26·4 28·0 18·8 20·2 25·8	16:5 25:3 23:9 22:3 16:0 20:0 24:5 24:8 24:8 17:1 18:0 22:8	16·1 21·9 36·0 22·8 15·6 20·9 17·8 27·9 15·9 21·6 21·0 21·5	Liverpool London Manchester - Newcastle-on-Tyne Norwich Nottingham - Oldham Plymouth - Preston Salford - Sheffield - Sunderland - Wolverhampton	19·1 31·5 24·0 21·9 18·3 22·7 23·8 15·3 18·3 22·4 23·7 19·9	19·0 30·0 28·8 20·8 14·7 25·6 17·9 17·1 21·3 20·4 31·6 20·6	21.9 18.5 30.4 30.7 19.1 19.4 18.8 20.5 20.8 25.3 27.1 29.1 22.9 20.0	18·1 33·1 25·3 24·6 13·6 21·3 21·8 15·7 24·8 25·8 29·6 27·1	

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·1 in Birmingham, 1·3 in Plymouth, and 4·1 in Derby; from scarlet fever, 1.3 in Plymouth and 1.5 in Sunderland; and from whooping-cough, 1.0 in London and in Birkenhead, 1·3 in Bristol, 1·4 in Liverpool and in Oldham, 1·9 in Salford, and 2·1 in Brighton. The rate from fever did not reach 1·0 per 1000 in any of the twenty-eight towns. The 38 deaths from diphtheria included 18 in London, 10 in Salford, 3 in Manchester, and 3 in Liverpool. One death from small-pox was registered in London, and one in Hull.

LONDON.

In LONDON 2613 BIRTHS and 1533 DEATHS were registered. Allowing for increase of population, the births were 250, and the deaths 90, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the three preceding weeks from 19.1 to 18.5, further fell last week to 18.1. During the first five weeks of the current quarter the death-rate averaged 18.3 per 1000, which was 1.9 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1533 deaths included one from small-pox, 67 from measles, 15 from searlet fever, 18 from diphtheria, 86 from whooping-cough, one from typhus, 6 from enteric

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy. 62359.-5, 635.-5/90. Wt.

fever, 21 from diarrhea and dysentery, and not one from ill-defined forms of continued fever or from cholera; thus, 215 deaths were referred to these diseases,

being 20 below the corrected average weekly number.

One death (of a female, aged 60 years, in Queen's Road, Marylebone) from small-pox was registered, the corrected weekly average being 18. Three cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had been 65 and 61 in the two previous weeks, increased last week to 67, and were 2 above the corrected average; 5 belonged to Kensington, 5 to St. George Hanover Square, 7 to Marylebone, 12 to Islington, 4 to Poplar, and 5 to Battersea sanitary areas. The fatal cases of scarlet fever, which had increased in the four previous weeks from 8 to 17, declined last week to 15, and were 13 below the corrected average; 2 belonged to Hackney, 2 to Clerkenwell, and 2 to St. George-in-the-East sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1102 scarlet fever patients at the end of the week, against numbers increasing in the four preceding weeks from 1083 to 1113; 95 cases were admitted to these hospitals during the week, against 83 and 95 in the two preceding weeks. The 18 deaths from diphtheria, though 2 below the number in the previous week, were one above the corrected average; 2 belonged to Hammersmith, 2 to Fulham, 3 to Islington, 2 to Mile End Old Town, and 2 to Poplar sanitary areas. The deaths from whooping-cough, which had been 106 and 88 in the two preceding weeks, further declined last week to 86, exceeding the corrected average, however, by 9; 4 belonged to St. George Hanover Square, 4 to Pancras, 6 to Hackney, 5 to Clerkenwell, 8 to Shoreditch, 6 to Stepney, and 4 to Camberwell sanitary areas. The deaths from diarrhæa, which had been 10, 11, and 13 in the three preceding weeks, further increased last week to 21, exceeding the corrected average by 5; 14 were of children under one year of age.

The deaths referred to enteric fever, which had been 8 and 6 in the two previous weeks, were again 6 last week, and were 4 below the corrected average; 3 belonged to the South group of sanitary areas. The Metropolitan Asylum Hospitals contained 68 cases of enteric fever, and 2 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 5 and 9 in the two previous

weeks.

The deaths primarily attributed to influenza, which had numbered 9 and 6 in the two preceding weeks, further declined last week to 2.

The deaths referred to diseases of the respiratory organs, which had declined in the three preceding weeks from 384 to 345, further fell last week to 326, being

10 below the corrected average.

Different forms of violence caused 61 deaths, concerning all but 2 of which inquests were held. Of these 61 deaths, 8 were cases of suicide, while the remaining 53 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 1 by burns or scalds, 2 by poison, 5 by drowning, and 17 (including 16 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3439 births and 1957 deaths were registered, corresponding to annual rates of 31.1 and 17.7 per 1000 of the estimated population. In the Outer Ring 24 deaths were referred to whooping-cough, 18 to measles, and 5 to The deaths from whooping-cough included 5 in West Ham, 4 in Stratford, and 4 in Walthamstow sub-districts. Seven deaths from measles were recorded in Tottenham and 6 in Croydon sub-districts, and 3 deaths from diphtheria in Walthamstow sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.74 ins.; the highest reading was 29.83 ins. on Sunday evening, and the lowest 29.63 ins. at the end of the week. The mean temperature of the air was 50°.7, and 2°.0 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday and on Monday, but showed an excess on each of the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 8.5 miles per hour, which was 2.5 miles below the average in the corresponding weeks of 16 years. Rain fell on Monday to the amount of 0.07 of an inch. The duration of registered bright sunshine in the week was 63.9 hours, against 58.4 hours at Glynde Place, Lewes.

· See note on first page of this Return.

		-		-		-	-	-		_	_	-			-	_	-	-	-	_			-	-	-	_		_	_		g.			
		CITIES	AND BOROVGHS,	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	LIVERPOOL.	Borrow.	M A second	MANCHESTER.	OLDHAM.	BLACKBURK.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	Unit	SHADERLAND	NEWCASTLE.	CAPITED	CAEDIEE.	EDINBURGH.	GLASGOW.	DUBLIN.
	FALL.		In Centi- metres.	24.	0.36	0.18	0.03		1.52	0.28	0.18		1	00.0	1	- 0.41	4 8		,		1	1			0.18	1	1 7	01.0	1 0000	0.78	1	0.53	0.50	1.20
	RAINFALL		ln Inches.	23.	0.14	20.0	0.01		09.0	0.53	20.0	1	1 8	00.0	1	0.16	4 8		ŧ	1 1	1	1	ı	1	20.0	1	1	0.0 *	1 7	11.0	1	0.21	80.0	0.59
0.	t AIR.	an.	.entigrade.	22.	00.6	68.01	00.01	1	19.01	29.8	19.4	1	1	8.55	I	90.0	2					1	A	1	8.22	1	1	7.56	1 00	1.38	1	. 49.6	82.6	76.8
3rd May 1890.	OF TH	Mean	stiednords!	21.	48.2	2.09	20.02	1	51.1	9.4	45°8	1	8 3	48.6	1	1 02	1 1		1			1	ı	1	8.94	E	1	45.6	1 1	45.3	1	49.4	49.6	48.1
d Ma	ATURE	.1	peit Lowes	20.	32.0	82.6	0.68	1	8.63	85.0	33.6	ı	1	89.8	1	10.1	4 1		8		. ,			,	0.92	1	1	. 0.73	1	0.98	1	10 10 00		
ing 31	TEMPERATURE OF THE AIR.	.36	Fahrenheit.	19.	68.5		0.29	1 1	68°5		65°4	•		64.8	ı	24.4			ă.			1	ı	ı	63.5	ŧ				27.0	1	63.5		61.6 3
Week ending		eaths	From Diseases in Cols. 6-12.	18.	2.3		7 -	1.1		-	9.0	7.7		G .	7 7	3.5	8.6		9.7	o o:	0 00	0.1	1.1	0.0	1.3	1.4				-	7.0	9 4.0	- 10	6
W ee	Annual ka per 1006 orrespond	Week's Deaths	From All Causes.	17.	9.02	18.1	15.6	24.6	8.13	6.03	9.03	1.91	9.91	13.6	6.27	13.4	0.98		33.1	8.07	6.16	24.8	9.13	15.9	8.73	21.5	9.63	0.13	1.2	25.3	17.8	6.16		
during the		dias	offitteenU offite assuati	16.	84 2	12 1	- I	-	1	-	1			21 1	-	06	-		90 4	g _	1 1	1		00	-	-	10	4	1	1	-	-	34 3	
duri			Deaths in Public Public Intitution	15.	099	342	10	10	S	15	9	G 1	L- 1	0 0	27 24	57	6	0 1	200	15	1 00	-1	2	61	13	12	19		6	10	9		339	
OWNS,			Inquest Cas	14.	254	124	٦ 6	1 44	6.1	<u>-</u>	2/1	-	က	1 0	9 -	17	9	9	07	(S) (C)	> -	1 67	67	्य	ေ	6	4	10	9	ဆ	67	-	. 0	4
T TY	lude		Violence.	13.	159	5	۱ ۱	c1	1	4	1	9	67	1 0		12	-	4 (9 .	41 0	- c		ಬ	27	67	10	4	10	en -	6.1	-	11	9 0	03
28 GREAT TOWNS,	The DEATHS registered in the Week include		.smdrraid	12.	68	21	1 -		ı	t	1	6 1	1	27	1	-	1 1-		eo e	53 1	-	-	-	ı	C3	1	-	ı	i	1	1	G	NI 00	0 00
且	the W	a	Ecret.	11.	255	10	1 -	٠,	1	⊙र ।		1 0	 63	1	-	-	1				p~			1	ı	-	1	1	4		1	-	1 00	4
LOGY	ered in	Deaths from	Whooping-	10.	161	36	٥ -		1	9	1	41	1 1	- 1		7 2	_		න ර		H 1	1	1		e0	9	4	67	_	6.1		,	000	1 61
RORG	regist	Deatl	Diphtheria.	6	38	82	1 1	-	1	-	1			1		1 0			eo :	10							-						1 6	1 00
ME	EATH		Scarlet.	80	4 49	15		-			-	0		1	• 	1 9			62	1					·	67		-	-	-	-	-	- ×	
s, and	The I		Measles.	7	2 104	1 67		-	64	-			-	_	1	-	٦ 	1	1	,	1			1		1	1	_	1	1	-	-	9 6	4
THS, DEATHS, and METROROLOGY			sprawqu bas 	5. 6,		10		- 6	67	20	0	24	1-	13	20	25 25 26 27 26 27 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	0.0	0	55 55	53	77	2 0	11		24	33	47	14	14	13	9	=	22.00	
нв, D		eaths of	Persons aged 60 Years aged aged for Mears areas and bns	10	698 6	7 375		. 9	6 1	61	29	67	4	0:	9	00 3	40			23	<u> </u>	<u> </u>	3 9	. 9	61	889		24	16	50	===	-	7 - 12	25 4 4
-Вінт		A	infants under lo res Y I	4	18	38	1	0.20		2		8	40 1	64 2	24	39	00 0	28		-	3 9	23 6	63	10	1(5.		631		11	62	0		_	
TABLE 1BIRT	d durin	e Week ending 3rd May, 1890.	DEATES.	85	3831	1533	87	45	83	93	es 	148	4	9	10		278		241	120		1.0 11			<u> </u>		7			_		-	110	172
TABL	Registered during	the Week ending 3rd May, 1890.	BIRTES.	31	5967	2613	500	26 82	40	126	61	293	.0	120	62	02	223	22	280	159	65	16	65	47	124	188	203	127	83	141	23	001	001	140
	_	2.	to the middle of the Year 1890.*	1.	9,715,559	4,421,661	123,659	142,952	78.780	232,248	83,406	461,865	154,844	244,969	100,871	105,049	613,463	115,816	279,437	242,509	146,716	123,553	24,253	82,034	240,515	268,799	332,837	213,833	902'931		117,012	101 110	£30,08	. 253,082
				Cols.	1.	*	•			•	TOL	•	•	•	•	•	•	4.		•			rp .		•				•		•			
		CITIES	ьокоганв.	3	28 TOWNS	TONDON	BRIGHTON	PORTEMOUTH	NORWICH .	FRISTOL .	W OLVERHAM! TON	BIRMINGHAM	LEICESTER .	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	BOLION -	MANCHESTER	SALFORD -		BLACKBURN .	FIE	HALIPAX .	RRADFORD	LEEDS .	SHEFFIELD .	Harr .	SUNDERLAND	NEWCASTLE -	CARDIFF	Contract of the Contract of th	GLASOW -	

TABLE 2. LONDON .- Births and Deaths Registered in the Eighteenth Week of each of the Eleven Years, 1880-90.

*	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.**	1890
Total Births Males Females .	2823	2515	2740	2545	2541	2429	2706	2597	2650	2712	2863·3	2613
	1437	1304	1406	1283	1331	1285	1374	1276	1328	1393	1457·6	1373
	1386	1211	1334	1262	1210	1194	1332	1321	1322	1319	1405·7	1240
Total Deaths Males Females .	1416	1472	1495	1504	1697	1465	1491	1531	1429	1386	1623·3	1533
	755	764	768	792	876	778	803	824	719	729	851·5	811
	661	708	727	712	821	687	688	707	710	657	771·8	. 722

^{*} The numbers in this column are the average weekly numbers in the eighteenth weeks of the ten years 1850-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

LADLE		-	_	-	-	-	****	-	-	-		-	-	
		Feb. 8.	Feb. 15.	Feb. 22.	Mar.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.
TOTAL	Births	2707	2793	2702	2561	2536	2717	2534	2 543	2329	2360	2935	2538	2613
TOTAL :	Deaths	1749	1809	1847	1802	1889	1771	1637	1571	1419	1619	1611	1567	1533
Ages at Death	0—20 years - 20—40 ,, - 40—60 ,, - 60—80 ,, - 80 years & upwards	714 238 334 363 100	763 218 357 390 31	753 256 363 3 74 101	739 234 324 418 87	798 226 348 428 89	776 196 303 404 92	729 193 296 342 77	743 204 264 309 51	657 183 239 285 55	774 204 275 308 58	782 177 282 291 79	742 197 25 5 313 60	721 210 227 305 70
	Under 1 year - 1—5 - 5—20	872 254 88	352 306 105	393 259 101	367 263 109	394 294 110	392 271 113	381 270 78	366 304 73	310 253 94	372 298 104	356 322 104	369 286 87	337 294 90
97 99 93 93 99 99 99 99 99 99	om Small-pox Measles Scazlet fever Diphtheria Whooping-cough Typhus Enteric fever Simple Conta fever Diarrhæa and Dysentery - Cholera , all the above- mentioned Diseases	8 19 24 91 - 2 - 4 -	21 14 39 115 - 12 1 6 -	1 14 13 27 103 - 8 1 21 - 188	19 14 24 97 7 1 12 -	35 12 19 95 - 4 1 9	35 18 25 86 - 3 1 14 -	45 11 23 76 - 7 - 14 -	45 10 30 101 -7 1 13 	35 8 20 84 - 2 1 10 -	54 12 21 79 1 4 - 10 -	65 13 17 106 - 8 - 11 -	61 17 20 83 6 1 13 -	1 67 15 18 86 1 6 - 21 -
23 29	, Dis. of Respira- tory System } , Phthisis - , Dis. of Circula- tory System }	485 209 154 58	439 215 143	452 218 162 77	492 224 146	510 206 163 65	164 145 76	381 169 148	375 154 120 61	296 180 114	384 174 151	280 189 133	345 154 119 61	326 143 140 61
Violent D Inquest C Deaths in		125 401	137 436	143 434	134 425	120 406	162 390	115 406	117 377	85 362	133 382	105 338	125 374	124 342
Mean o	f Highest readings - f Lowest readings -	37·1 42·7 32·0	35·9 41·7 30·8	39·4 43·9 35·9	35·4 42·0 30·4	36·4 43·6 29·0	45·3 54·0 37·6	43·3 52·0 36·0	49·0 57·3 42·6	43·8 54·9 33·1	43·2 52·0 37·0	6.1 53.8 39.9	47·1 56·7 40·1	50.7 62.2 38.9
Rain-fall i	of the Air in inches d Sunshine (in hours)	9·5 9·5	87 0·88 31·2	89 0·04 12·4	87 0·22 9·7	69 0·33 12·1	79 0·24 28·1	82 0·81 21·5	84 0·41 14·6	72 0·00 59·8	72 0·29 22·0	81 0·38 27·0	82 1·00 15·9	67 0·07 63·9

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—Ft. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth: R. C. Cann Lipplacett. Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-Ram; J. Harthup, Esq., F.R.A.S., Liverpool; H. O. Pitkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Eighteenth Week of the Year 1890.

					E10	żНТ	EEN	TH	W e	ek of the Year 1890.									
	years		In Satu	the	Waa , 3rd	k an	ding y 189	0.			for the		Satu	n the irday	Wee , 3rd	ek er May	ding).	
	e 10 y		De	aths tl	of P	ersoi ges	as of				90		De	aths th	of Pe	ersor zes	is of		
	verages of the 80-89.*		l n	Inder		40.	0.	80.	7	CATTORN ON DEATH	Averages iks of the 1 1880-89.*		T	Inder	1	40.	90	80	5
CAUSES OF DEATH.	A 88 8	ES.		20.		under 4	under 60.	2	and 8.	CAUSES OF DEATH.	A V 1880	*2	_	20.		under	under	40	Spud
	Wee	AGE						na l	Pare	•	Wee	AGES						l un	Years
	Corrected 18th Wee	ALL ,	0-1.	1-6.	5-20.	2) and	and	and	upwards.		Corrected . 18th. Week	ALL.	0-1.	1-5.	-20.	20 and	and	and	an
	57	4	0		10	Gá	9	9	80		0	4	0	- 1	242]	.00	9	3	3
ALL CAUSES	1623'3	1533	337	294	90	210	227	305	70	Diseases of Organs of	1.6	3	1	1	1		1		
			-				-		_	Special Sense †}	1.0		_	_	-		-	_	_
Small- Vaccinated! -	18.2				_			-		Diseases of Circulatory \	122.8	140	4	1	6	21	51	47	10
pox (No Statement) (1			-		-	1	-	System 5								-	-
Measles	65'3 28'4	67 15	11	53	3 2	1	_	-	-	Croup = Bronchitts	12.0	8 155	1 48	38	2 2	5	15	45	8
Scarlet Fever	1.2	1			1	-	-	-	-	Pneumonia Pleurisy	102.7	131	22	43	2	22 8	23	17	2
Relapsing Fever †	0:0	2		_	-	-	-	1	-	Other Diseases of Respi- ratory System}	32.9	24	4	6	2	-	2	9	1
Influenza Whooping-cough	76.7	86	86	49	1	1 -	-	-	-							-	-		-
Diphtheria	17.1	18	2	7	8	-	-	1	-	Dentition † Quinsy, Sore Throat † - Enteritis	10.3	19	12	7		1 2	- 1	-	-
Simple Continued and \ Ill-defined Fever	1.2	-	-	-	-	-	-	-	-	Peritonitis	6:2	5 7	1 -	-	2	3 3	2 12	1	1
Enteric Fever	0.8 3.8	6	_	1	2	-	3	-	-	Diseases of Liver - Other Diseases of	28.8	31 36	5	3	3	4	5	12	3
Cholera Diarrhœa, Dysentery -	15.8	21	14	9	1	1	1	-	2	Digestive System -}			-		_		-		
Remittent Fevert	0.3	2	•	-	-	2	-	-	-	Diseases of Lymphatic) System & of Ductless }	2.5	1	-	-	1	-	-	-	_
Hydrophobia Glanders	0.0			_	-	_	_	-		Glands †)	-								
Cowpox and Effects of)	0.3				-	_		_		Diseases of Urinary	40.2	36	2		1	4	12	14	3
Vaccination † 5 Venereal Affections -	12.2	9	3	2	-	3	_	1		System}	1/2					_		_	_
Erysipelas	6'2	6	1	-	1	1	1	2		Diseases of Generative	4.1	2				1	1		
Pysmia and Septicsmia † Puerperal Fever	4°0 6°9	5 4	1 -	-	1	2 4	-	1	٦	System	6.1	6	_	-	-	6	-	-	-
Other Zymotic Diseases †	2.3	3	_	-	1	1	-	1	-					-	-				
Mhanala	1.7	1	1							Diseases of Locomotive }	7.1	12	1	1 1	6	1	1	2	-
Thrush Worms and other Para-	0.8	1	-	_	_	_	_	1		Discourse of Texasures >									
sitical Diseases S			-				-			Diseases of Integumen- tary System}	4'8	4	1	-		-		2	1
Starvation, Want of Breast-milk †}	1.7	2	2	-	_	_	-	-											
Alcoholism	5.5	3	-	-	_	2	-	1		VIOLENT DEATHS.§									
				-	-	-	-	-		(ACCIDENT.)	22.2	23	2	8	2	4	4	8	
Rheumatic Fever. Rheumatism of Heart†	5.0	5	-	-	1	1	1	-1	1	Fracture and Contusion Gunshot Wound Cut, Stab	0.1	-	-		-	-	-	-	-
Rheumatism †	8.3 3.6	- 2	-	-	-	-	-	-	-	Burn and Scald Poison	5°5 2°0	1 2	-	1	1	-	-	ī	1.7
Rickets †	3.6	5	1	4	_	-	-	2 -	-	Drowning Suffocation	5.7 13.4	17	16	-	1 -	1	1	-	=
Cancer	55°1 24°0	56	-	-	-	7	19	29	1	Otherwise	2.6	5	4		_	_			
Tabes Mesenterica – Tubercular Meningitis –	31.2	18 24	10 5	15	1 4	1 -	-	-	-	(Homicide.)								100	
Phthisis	373'9	143	-	8	15	71	43	10	1	Murder & Manslaughter	1.3	-	-	-	-	-	-	-	-
Scrofula, Tuberculosis - Other Constitutional	19.6	23	7	5	1	9	1	-	-						-				
Diseases †}	11.0	7	_	_	1		3	3	-	(Suicide.) Gunshot Wound	0.3	2	1 -		-	2	-	-	-
Premature Birth	36°1	36	36	-	_	-	1 -	-	-	Cut, Stab Poison	1.3	3	-		-		2	-	
Ateleotasis +	2.4	2	2	1	-	-	-	-	-	Drowning	1.3	1			-	1	- 1		-
Congenital Malforma-	8.7	4	4	-	-	-	1-	-	-	Otherwise	0.7	1		-	-	1		-,	-
Old Age	49.7	43	<u> </u> -		-	-	-	22	21	(Execution.)									
Apoplexy	45.0	42	1	-	-	5	9	21	6	Hanging	-0.0	-	-		-		-		1 -
Epilepsy	7.7	10	-	-	3	6		-	-			-	-		-	1			1
Convulsions Other Diseases of Brain	43.6	91	10			4	. 9	32	8	OTHER CAUSES † -	55.8	38	31	3	1	-	1	1	1
and Nervous System	94 /	91	1 10	1 18	10	1 *	1	1 32	1 °			1]		1	1	
												1			173	- 4	1000		

62359,-5.

8 3

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical them. When medical attendant does not certify that the descased has, or has not, been vaccinated, or when the cause of death is not carried by a registered settioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to causel the Coroner to certify whether a violent death be the result of accident, murder, anglaughter, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON .- Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarle during the Week ending

	,, ,,		Dual													Weel		
							The	DEA	TBS	regist	ered i	n the	Was	kine	lude			
	Enume-			Deat	hs of	, .				Deat	hs fr	m						
REGISTRATION	rated Popu-	38.	HP.	1 T	1 60 rds.					ngn.		ver.	l he			1	Publi	Cause
SUB-DISTRICTS.	lation,	Birte	DEATER	under of Age.	aged & upw	OX.		Fever.	ria.	hooping-sough		(or	don-	ė		Case	in P	
	1881.		Total I	infants Year o	Persons Years	Small-pox	easies.	Scarlet 1	Diphtheria	11d00	Typhus.	Enterie (o	Simple o	Diarrhus	Violense	manest	the	ncertified
		Total	To	Infa Y.	Per	Sm	Mez	Sca	dia	₩ Y	Tyl	Ent	Sim	Dis	Vio	lnq	Deaths	Unc
LONDON · ·	3,815,704	2613	1533	337	375	1	67	15	18	86	1	6	-	21	61	124	342	1
WEST DISTRICTS	669,633	388	270	53	76	-	18	2	4	12	-	1	-	6	15	20	80	
NORTH DISTRICTS'	905,947 282,238	604 142	356 116	71 25	85 22	1 -	21	8	5 2	14	-	1	_	7	12	23 12	33	
EAST DISTRICTS' -	692,738	506	319	77	. 73	4.	12	2	5	25	-	1	-	8	11	36	79	1
SOUTH DISTRICTS - METROPOLITAN ASYLUM HOS-	1,265,148	973	472	111	119	1 ×	12	3	2	28	1	3 .	4	4	16	33	83	11
LONDON		Ë	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary Paddington WHH G.J. a.W.M.	69888	47	35 13	9	10	-	1 2	-	-	1	-		-	1	4	4 2	6	-
Kensington Town Ww - W.M.	87330 120141 43010	68 18	53 16	13	17 5	-	5	-	. =	3	-		-	2	- 8	1 3	14	-
St Potes Hemmersmith - W.M.	7599 64340	2 50	2 17	1 3	- 5	-	- 1	-	2	-	-		- 1	-	ī	1	2	-
St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C. Chelsea South HHH - C.	42900 30396	58	31 7	6	7 2	-	4	2	2	,1 1		-	-	- 1	1 -	î	11	-
Chelsea North-west WHHHHH- C. C. C.	24925 82807	14 27	14 11	3	6		ĩ	-	-	1 -	-	1		-		-	5 -	-
May Fair WW G.J. Belgrave WHHH C.	80353 89220	6 32	8 27 8	2 7 2	6 3	=	4	-	-	4	Ξ,	-	12.	- 1	3	3	7 9	-
St. John Westminster HHH - C. St. Margaret Westminster H - C.	85496 24679	22 6	13	2	4	-	=	-	-	1 -		-	-	-	1	2	8	-
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N R.	29941 16608	14 3	8 7	-	8 2	-	-	-		-	=	-	-	-	ī.	1 1	2	-
NORTH DISTRICTS. All Souls Marylebone HHHHH. W.M.	26759	17	12	2	3	-	-	-		1	-		-	1		_	5	_
	14891 24809	2 15 26	1 12 12	1	6 3	-	1 2	-	-	1	-	-	-		-		-	-
Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone HH - W.M. At. John Marylebone H - W.M.	21118 33700 33633	29 17	13 8	3	2	ī	3	-		-	-	-	-	-	1 -	3	-	-
Hampstead Www.HHHH N.R.&W.M	45452	26	21	4	11	- -	-	1	-		-	-	-	2	-	-	5	-
Regent's Park Pancras H W.M. Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R.	.89115 27729	28 9 14	9 12 9	2 1	2	-	î	-	1	1 -	-	H	-		1 -	2	9	-
Gray's Inn Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R.	30247 84369 17811	24 10	11 15	4 3	1 9	-	1			1	-	-	-	1	1	2	3	-
Kentish Town W N.R. Upper Holloway WWWH N.R.	87487 67946	49 56	35 48	9	5 14	-	2	-	2	1	-	-	-	î	1	2	8 7	-
Islington South-west HII N.R. Islington South-east N.R.	100976 61895	76 34	37 21	6	2 2 4	-	7 8	1	1	1	-	7 - 1	-	-	1	2	14	-
Stoke Newington H N.R.	52048 22781	24 18	7	3 2	2	-	-	-	-	1		-	-	-	- 1	1	1	
Stamford Hill E.L. West Hackney H N.R.	9277 8761 0	9 23 66	8 35	1	10	-	-	-	-	-	-	-	-	3	-	-	-	-
South Hackney E.L.	76911 39888	32	15	9 2	2	-	1	6	1	1	- :	1	-	1 -	2	3	12	-
CENTBAL DISTRICTS. St. George Bloomsbury - N.R.	16681	7	8 12	8	1	-	1		-	_	-	_	-	-	_	1	-	
St. Giles South WH N.R. St. Giles North N.R.	14864 13837	6	3		5	F.	1	-	.=	-	12	-	7.	-	-	-	6	-
St. Martin-in-the-Fields HH N R. & C. St. Mary-le-Strand H N.K. St. Clement Danes H N.R.	7515 8559	2	7 - 5	1	1	-	-	-	-	-	- !	-	-	-	1 -	2	3	-
Strand Union Workhouse, Edmonton w. St. Geothe-Martyr HHHHHHH N.R.	18671	9	- 6	-	-	-	-	-	-	-	- 1	-		-	-	-	4	Ξ,
St. Andrew Eastern # - N.R. Saffron Hill H NR	10706 6533	8 4	2 2	1 1 2	2 -	-	=	-	-	-	-	-		-	-	1 -	3	-
St. James Clerkenwell N.R. Amwell Clerkenwell N.R.	17516 19281	11 8	7 10	1 4	1 2	-	-	-	-	1 2		-	-	1	1	1	-	
Goswell-street N.R. I	14773 17506	14 16 8	9 4	4	1	-	-	=	-	1	=	-	-	-	1	2	-	-
City-road HHL N.R. Whiteeross-atreet N.R.	11541 18628 9217	14	3 7 3	3	1 -	-	ī	=	-	1	-	-	- 1	-	=	-	1	-
Holborn Union Workhouse, Mitcham, w.	7468	4	1	-	ī	-	-	-	-	1 -	=	-	-	-	=	-	ī	-
St. Botolph <i>H</i> N. K. & E. L. Cripplegate N. R. St. Sepulchre <i>H</i> N. R.	11174 7198	2	8	1	1	-	-	- 1	1	-	-	-	-	- !	-	-	-	-
St. Sepulchre H N.R. St. Bride W N.R. Allhallows Barking N.B.	5358 8396 13666	5	17 2	1	4	-	-	-	1 -	=	=			=	3	4	16	7 -
Broad Street H N.R.	5652	1	3 1	-	ī	-	-	-	-	-	-	-	-		-	-	=	-
						-	_	-	-	-		1	· ·		- 1	1	1	

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely; W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers; are received; so—Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the toot of next page). The Kommu capitals signify the Water Companies which supply the different sub-districts:—(v. J. signings Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

EE, DIPPTHERIA, WHOOPING-COUGH, FRYER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district and Way, 1890.

### BAST DISTRICTS. ### Citch South ### - N.R. 22511 11	rday, 3rd May, 1890.							(III)	P		ne mint	AND 1 1	m 62	W	le i-	lud-			
### REGISTRATION #### ################################		Electric			Dea	thsof	1	The	DEA					W ee	K inc	idds	1	1	1
### State Fig. State Sta		Popu- lation,	Total BIRTHE.	Total DEATHS.	-	aged 60 upwda.		Measies.	Scarlet Fever.				-	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
main Green Boath WHEP E.L. 41005 22 17 8 6 - 1 1 1 1 7 1 1 7 mind Green Beat WHEP E.L. 41005 22 17 8 6 1 1 1 1 7 mind Green Beat WHEP E.L. 41005 22 17 8 6 1 1	editeh South† HL * - N.R. on New Town w N.R. on Old Town N.R. * E.L.	29987 28036	13 21	14 14	6	. 8	-	1 -	1	-	5	_		-	-	1	1 3	8	1111
High Hard		34399	29 21	10 17	3	6	-	1 -		ī	1	-		, =	- T	ī	ī	~	-
### ### ### ### ### #### #### #### #####	echanel Church H E.T. & N.B.	15473 17490 9713	10 17 4	19 19	5 1	3	- 1 1			1	-	-	1	1 1	1.1.1		2	15	
Well E.L. Signor S. S. S. S. S. S. S. S	ohn, St. George East W - E.L.	8410	9	10	3	4		3	-		ļ	-	-	-			~~		=
SOUTH DISTRICTS. SOUTH DISTR	house E.L.	16107 82041	25 25	3 19	6	4	Ē	ī	-		5	-	-	-	-	-	2	- 1	-
	End Old Town East WwwH- E.L.	67653 37074 64359	42 22 46	28 7 45	1 8	9 2 9	- 1	1	1	1	1 - 1	-	-	-	- 1	-	1 6	18	
Section Sect	tchurch Southwark WH L. & S. aviour Southwark - S. & L. auch-road WH - S. & L. & S. & S	14999 21351 15958 21319 26672 59555	6 17 8 16 22 45	6 7 5 8 6 26	1 2 1 2 6	1 2	1111	2	14141	11111	1 1 1	-	-	1 1 1 1 1		1	1	6	11,4,11,11
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	16800 15669 54682	9 13 27	6 8 19	7	1 3 3	-	-	-	1	-		-	-	-		1 -	2	1 1 1
Section Sect		16351 19876 39859 45232 35332 62837	18 14 37 39 17 39	5 10 12 17 2 20	3 2 4 7	1 3 7 1 7	11111	77111			1		1111		1 1 1 1 1	1	3	1 6 7 -	1
Web Web E E S. E S	Battersea WwH S. am H S. S. S. S. S. S. S. S. S. S. S. S. S.	52587 36880 28004 18235	16 85 11	19 10 9 6	6 4 3 -	5 1 3 8	11,11	1		1111	2	1111				1	4	1	1
and Deptford www K, 76752 C3 29 10 4 - 1 - 3 1 - 1	erwell $WwL*L*-$ - S. & L. lam $W-$ - S. L. & K.	59104 71089	50 43	23 25	7	12 7	-	-	- 1	-	1 8	-			-	1		17 1 -	1
m H K, 5048 5 2 - 1 2	ul Deptford ww K.	76752 7901 21972	(3 5 13	29 2 6	ĩ	1	-	-	-	-	-	* 17	-	-	-	1	2	- 1	-
ton Hill K, 10930 5 6 - 1 1 - 2 3 3	m H K,	21559 19865	10 14	.6 2	100	3 2	-	-	-		-	-	-	- 1	1 -	1111	-	-	- 1
	ton H// K, wich Dockyard K, wich Arsonal HH K, stead, West H K, stead, East W K,	10930 17617 19048 14009	14 15 12	8 3 2	1 2	1	-		-	-	-	- "	-			2	-	1 1 1	-
politan Asylum Hospitals: urfford w	politan Asylum Hospitals: urtford w	. :	-		1.1	-			-	-	- 7			-	-	-		-	1 1

Table by w (see note at foot of preceding page):

Stephene Infirmary in Kensington Town sub-district.

Breal London Sick Asylum. in Tottenham Court suc-district.

Broad City Workhouse:

Hasancy sub-district.

Hatton New Town sub-district.

Alte End Old Town Eastern sub-dist.

Lat April 1800 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South.

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION: BIRTHS and DEATHS registered during

-				V	Veek e	ndin	g Sat	urday	, 3rd	May	, 189	0.	JEA, E	HS F	cgiate	red	duri	ng
Regis-		Area				1			The I	DEATH	s regi	stered	in the	Week	includ	le' ' r		
tration		Acres.	Enume		11.	Day	ths of	.		-	Dist	C		1.17		1	1	-
Distrie		inclu-	rated		S.	-			1		Dest	hs fro					1	- 25
and Sub-	REGISTRATION	ding Tidal	Popu-	H	H E	120	1 60 Mds.		100			ugh	1	1			blio	
district	SUB-DISTRICTS.	Water	lation,	BIRTHS	DEATHS.	under of Age.	s aged 60	1 3		19AC	di	P			1	Cases.	L La	
Num-	The state of the state of	and	1881.	l m		ts of	38 %	2	88	t F	neri	guid	1.	88	ş	100	nin	1011
bers.	1 2 2 2 2 2	Fore-				Infants Year	Persons Years	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever.	Diarrhos.	Violence.	Inquest	Deaths in Public	10011
LO	NDON-OUTER RING	370,924	950,957	826	424	83	113	-	18			-		-	-	-	-	
			000,007	- 020	1 424	1	110	-	10	a des	5	24	2	- 1			_ 59	
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118	13	20	3 -	10 2	-	-	-	-	1	-	-	-	-	14	,
37:1	Godstone (part of) * -	2754	1235	2	-	-	-	-	-	-	-	-	-	-	-	-	2	
38:1	Croydon Ww L -	20851	101241	55	41	8	14	-	6	-	-	1	-	-	-	-	10	
2	Mitcham w +	11697	17932	19	. 5	1	2	-	2	-	-	-	-	-	-	-	-	
39:1	Wimbledon HHH -	3220	15950	18	5	- 1	4	-	-		-	-	-	-	1	1	-	
3	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	30 .	15	2	5	L.	-	-	~	-	-	-	-	-	-	
4	Hampton H	4573	13539	12	2 5	1	1				_	-		-	-	-	-	
40:1	Richmond WH	2272	21302	11	9	2	8				_			_	-		-	
2	Mortlake	2941	12331	10	8	2				-		2	_	_	2	8	3	
41:1	Bromley (pt. of) * HH	15669	81142	25	17	4	5	-	_	_	1	1	_		2	2	2	
2	Chishrst(pt.of)* WHH	14307	15844	15	6	-	2	-	-	-1	-	<u> </u>	-	-	ī	1	3	
42;1	Bexley H	18437	24134	13	7	1	1	-	-	-	-	1	-	-	2	2	-	1
2	Dartford (Ww, pts. of)*1	-	-		-	-	-	-	-	-	-		-	-	-	-	-	
124: 1	Sunbury w	11055	11688	6	2	~ .	- 1	-	-	- }	-	-	-	-		-	1	
125:1	Staines W	13277	12089	8	4	1	1	-	-	-	-		-	-		-	-	
2	Hillingdon WHH -	6029 6178	10802 3225	8	7	2	2	-	-	-	-	-	-	-	1	1	1	
8.	Uxbridge Hayes wHL	14587	11523	9	2 4	- 1	1 2	-	-	-	_	-	-	-		~	-	
126: 1	Isleworth WHH -	7008	22727	29	9		- 1		-	- 1	_	_	-	-	_		3	
2	Twickenham H-	2477	12479	5	5	4	6	-	1			_	_	-		1	3	
3	Brentford HL	4345	27649	22	5		4	-	-	_	-	-	_	_	_	_		
5	Chiswick	1840	15975	15	4	1	2	-	-	- 1	-	-	-	-	-	2	_	
127:1	22001	6088	22876	19	2	1	-	-	-	-	-	-	-	-	-	-	-	
2	Harrow H Edgware H	13809	12796 3749	8	6	1	2	7	-	-	-	-	-	-	-	-	-	
8	Willesden	4383	27458	3 35	1 15	3	5	-	-				-	1	-	-	-	
4	Hendon W	.8382	10484	15	8	1	1	-	-	_	-	-		-	1	1	2	
137 : 1	Bushey	9331	6621	4	2	1	1		_	_	_	_	_	_			-	
2	Watford (W, pt. of)* -	-		-	- 1	-	:-	-	-	-	-	-	_	_	_			
188:1	South Minams	15599	6391	8	2	1	1		-	-	-	-	_	_	_	_		
3	Barnet	54 83	10092	2	2	-	2	-	-	-	-	-	-	-	-	-	-	
		4538 3306	17615	17	14	1	4	-	-	-	-	1	-	-	-	-	7	
128 ; 1	Hatfield (part of) * -		583	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
	Hornsey H Tottenham H	3039 4642	37078 46456	26 53	17	7	3	-	-	-	-	1	-	-	-	-	-	
	Edmonton Ww -	7483	23463	23	22	3	1		7		-	2	1	-		-	-	
	Enfield WH	12653	19104	16	7.	2	1	-	-	-	-	-		-		_	2	
	Waltham Abbey	11017	5368	2	. 1	-	-	-	-	-	-	-	-	-	-	-	-	
	Cheshunt	8480	7785	10	6	1	1	-	1	-	-	-	1	-	-	-	-	
1	Stratford West Ham wwH -	882 4055	38606 90347	33	16	2	3	-	-	-	-	4	-	-	-	-	-	
	East Ham ww	3296	10706	114	46	16	7	7	-	-	-	5	-	-	1	2	1	3
	Leyton WwL	4372	32430	36	14	2	8		-		-		-		_		2	
1	Walthamstow H -	6520	28869	16	29	8	5	-	1	-	3	4	-	-	-	-	-	
	Chigwell (part of) * H	11761	9669	4	3	-	1	-	-	-	-	-	- 1	-	1	1	1	
	Epping (W, pt. of)* -	_		-		-	-	-	-	-	-	-	-	-	-	-	-	
	Romford (part of) * W	6730 8493	3411	1	8	-	.3	-	-	-	-	-	-		-	-	-	
	Barking Town	4127	7645 9208	9 8	2	-	-	-	-	-	1	-	-	-	-	-	-	
		1	1		0 1		- 1		-	-	-	-	-	-	1	1	-	-

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follow.—
\$9: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1935); 37:1, the parishes of Warlingham and Farley in Godstons sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1993); 41: 1, Bromley sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41: 2, Chigwell sub-district, except the parish of Chelsfield (pop. 947); 185: 1, the parish of Northaw in Hatdeld sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 351: 188: 1, the parish of Northaw in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartferd, 137: 2, Watford, and 1 7: 2, Epping, sub-districts.

\$ 2.xelusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). \$ 2.xelusive of deaths of London residents in Metropolitan Asylum Hospital (see Table, 5). \$ 2.xelusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital (see Table, 5).

Metropolitan Asylum Hospital (see Table 5). S Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

On 1st January the two parishes of East Ham and Little Heard were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

BLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 3rd May, 1890.

	Area			L RATE			The DE	ATHS	regi	stere	d in t	the W	eek :	ineluc	le	
GREATER	in Acres, including	Estimated Population.		RTALITY 0 living.	DEATHS from	Deat	ths of]	Deatl	ıs fro	m			ublie
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.	Deaths in Pu
Cols.	1.	2.	3,	4.	5.	6.	7.	8.	9.	10.	11.	12.			15.	16
TER LONDON	448,334	5,758,500	17.7	2.4	1957	420	488	1	85	15	- of manager	110	9	22	76	401
nee London -	77,410 370,924	4,421,661 1,336,839	18°1 16°5	2·5 2·0	1533 424	337 83	375 113	1	67 18	15	18	86 24	7 2	21	61 15	3 42 59

r.—The area of Greater London is 448,334 acres; of which 4,592 acres are tidal water and foreshore. This area is equal 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 21 Foreign Cities, having an estimated Aggregate Population of 17,225,668 Persons.

	Population	DATE			ANNUAL	DI	EATHS	FROM	PRIN DISEAS	ES.	ZYMO	
CITIES.	(enumerated or estimated).	OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhosal Diseases.
UTTA	433,219	March 29	-	827	39.3	81	1	-	_	_	106	361
BAY	773,196	April 8	239	392	22.0	6	3	2	9	?	136	27
RAS	398,777	March 21;	263	290	37.8	3	12	?	9	9	91	47
B	2,260.945	April 26	1189	1130	26.0	3	27	7	52*	9	15	55
Faubourgs.)	477,288	,, 26	217	175	18.9		2	-	-	1	2	14
CERDAM -	406,302	26	252	156	19*9	_	1	_	2		-	
TERDAM -	203,486	,, 26	136	84	21.4	_	_	-		1	944	
HAGUE -	156,497	" 26	108	53	17.6	-	-	_	_	1		4
NHAGEN -	307,000	., 26	202	132	22.4	beq.	_	1	15	3		7
KHOLM -	228,218	,, 19	138	81	17.8	-		8	4*	1		′8
STIANIA -	143,300	,, 26	40	51	18*5	-		1	2		_	1
ETERSBURG	924,466	,, 12	-	597	33.7		30	25	10	4	7	51
CIN	1,526,887	,, 12	891	615	20.9	-	5	6	44	. 8	11	52
BURG(State)	575,276	,, 19	415	231	20.9	-	3	1	6*	2	5	7
EDEN	269,250	" 19	145	101	19.2	-	3	3	3*	ran .	- 1	. 6
SLAU	32 1 ,143	,, 26	239	162	26.5	-	1	4	3*	-	. 1	12
ICH	298,000	,, 1 9	235	158	27.6	-	3	-	11*	1	1	12
INA -	822,176	" 26	566	445	28.1	-	12	4	5	1	3	25
TUE	314,425	,, 26	-	199	33.0	1	12	1	7	2	5	~ 5
A-PESTH -	463,017	,, 19	323	284	31.9	-	3	3	11	-	1	19
STE	160,092	,, 26	97	81	26.3	-	**	-	3*	-		2
22	415,498	March 22 29	241 262	198 172	25.0 22.4	1	6	_	9 4	3	6‡ 3‡	5 4
IN (11 days)-	314.827	April 10	-	-	-	-	-	-		-	-	-
ICE	156,515	н 19	77	73	24.3	4	-	-	1	-	-	5
kO	374,838	,, 10	399	291	40*4	-	-	-	2	1	16	74
KANDRIA -	231,396	,, 10	209	148	33*3	3	-	-	4	-	2	38-
YORK -	1,595,547	" 12	-	756	24.2	-	14	7	29	13	5	14
OKTAR -	852,467	,, 12	-	343	20*8	-	2	6	16	4	3	6
LADBLPHIA -	1,064,277	, 12	-	406	19.1	-	6	2	6	. 1	12	4
TIMORE	500,343	" · 12	_	184 165	17.2	-	11	-	6	2	1 9	T
ORLEANS -	254,000	5	-	134	27.5	-	5	-	2	-	-	6
					1	_		_		-	ALC: NAME OF PERSONS ASSESSED.	

^{*} Including deaths from croup.
† Including 18 deaths from cholera in Calcutta, and 5 in Madras.
‡ Including 5 and 2 deaths respectively from malarial fever.

TABLE 9.-METECHOLOGICAL OBSERVATIONS taken at the ROTAL USSERVATORY, GREET WICH, Juring the Week ending Saturday, MAY 3RD, 1830. [Under the Superintendence of the Astronomer Royal.]

0.0 The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are: --P. positive; N. negutive; w. weak; m. moderate; s. strong; and The height of the cistern of the barometer is 159 feet above the mean level of the sea; no The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading forming the mean daily value of temperature of the air from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-The average temperature of the air is that derived from a discussion of the photographic records mude at Greenwich during the 20 years ending 1868, and that of horizontal movement The thermometers in the water of the Thames are suspended at a depth of two feet below then surface at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the of the dry bulb thermometer is combined the corrected mean of the readings of the maximum temperature and degree of humidity are deduced In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," receiving Sum 0.07 00.0 00.0 of the air from a discussion of the anemometric records for the 16 years ending 1875. Average of 16 Years. Miles. 00 80 Sum -415 v 8h. P.M. on the 27th of April; decreased to 29.73 in. by 3h. P.M. on the 29 Robinson's. Observations are usually taken at 9h. A.M.; moon; 3h. P.M.; and 9h. P.M. Movement to of the Air on each Miles. Sum 1425 241 77 correction has been applied to the readings to reduce to sea level Wind as deduced from Anemometers. Mean of 24 hourly 0.3 lbs. 23 Pressure on the Square Foot. o.o Least. 0.0 22 7.1 9.1 6.0 Great-21 (column 8). The mean daily dew point SSW. & SE. E, & ENE. SSW. & S. N. & NE. P.M. General Direction. Variable. and minimum thermometers, - "lower," than the average. NNW. & N. E. ESE. R. SSE. SW. * SSW SW.NW. ENE. & E. ENE. A.M. 19 Corporation of London. Of the Water of the Thames at Deptford. metrical 'lables. 52.4 20.0 9.09 53.5 4.67 20.8 0.09 est. 18 v. variable. TEMPERATURE. 9.09 8.09 53.9 2.19 est. 17 Lowest on the Grass. 2.12 28.1 9.97 \$63 Of Radiation. Very fine; hear frest in morning; small amounts of light cloud generally prevalent till evening; cloud-less at night. morning; fine at Hoar frost in early Very fine; cloudless with hoar frost in early morning; small amounts of light cloud afterwards. High-est in Sun's Rays. amounts till after-1.421 126.0 0.901 139.4 128.5 1.667 15 equals 100). ration 14 4. 23 59 59 Z 61 GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature. 1.5 4.0 Generally cloudy; rain in early Very fine; light clouds in small Very fine; generally cloudless. Very fine; generally cloudless. 0.61 8.61 9.81 18.2 22.1 but generally cloudy. est. 12 0 Mean daily value. 18.4 2.01 10.2 Mean daily value. 0.07 37.0 0.17 48.1 01 De-parture from Fine, 5.3 + + + + + + Registered Sun above Sunshine, Horizon, in hours, in hours. 2.09 52.5 53.6 P. \$9 œ 0 14.8 2.71 14 6 14.7 14.7 14.8 Of the Air. 6.03 4.17 30.4 23.4 -1 10.07 2.2 2.2 15.5 9.7 32.0 8.68 38.0 Low-9.68 40.7 2.68 est. 9 24.4 60.5 64.4 6.89 62.5 7.89 est. 10 v. P. till evening; w. P. generally, with s. N. between 2h. A.M. (For explanation of aymhols, see Note.) w. P. throughout ELECTRICITY. W. P. throughout rected and re-duced to 320 820 Fahren-heit). in. 29.785 Mean daily reading \$61.66 147.62 164.67 **\$02.66** 147.62 .740 W. P. generally and 5h. A.M. W. P. W. P. of the Moon. 00 တ 27 63 HONTE AND 1890 APRIL. No. of Col WEDNESDAY THURS. . DAY. MAY. THURSDAY MEANS MONDAY TUES. SUNBAY MON. SUN. FRI. SAT.

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 19. 1890. Vol. LI.

WEER ENDING SATURDAY, MAY 10.

Price 11d.

General Register Office, Somerset House, 12th May, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.2 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

10000	1.	Weeks	ending			Weeks	ending	
Towns.	Apr. 19.	Apr. 26.	May 3.	May 10.	Towns.	Apr. Apr. 26.		May 10.
Bristol - Cardiff - Derby - Halifax - Huddersfield Hull -	20·8 16·0 34·7 22·5 19·8 17·1 16·0 26·4 28·0 18·8 20·2	16·5 25·3 23·9 22·3 16·0 20·0 24·5 24·8 24·8 17·1 18·0	15.6 20.9 17.8 27.9 15.9 21.6 21.0	20·0 17·3 25·2 20·4 15·2 14·4 16·0 27·4 25·4 10·5 17·6	London Manchester - Newcastle-on-Tyne Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford - Sheffield	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	18·1 1 33·1 3 25·3 3 24·6 1 13·6 1 21·3 2 21·8 2 15·7 1 24·8 2 25·8 2 29·6 2	7·3 1·3 2·3 7·5 6·6 1·0 0·5 5·7 0·3 2·8 6·2
			21·5 16·6	22.8 12.5	Sunderland - Wolverhampton -	$\begin{vmatrix} 20.6 & 22.9 \\ 16.3 & 20.0 \end{vmatrix}$	شيرا البركاليناس	- ~

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·0 in Birmingham and 6·2 in Derby; from searlet fever, 1·0 in Preston and 1·3 in Halifax; and from whooping-cough, 1·0 in Newcastle-upon-Tyne, 1·1 in Oldham, 1·2 in London, 1·3 in Plymouth, 1·4 in Bolton and in Sheffield, 1·6 in Derby, and 1·7 in Brighton. The rate from fever did not reach 1·0 per 1000 in any of the twenty-eight towns. The 43 deaths from diphtheria included 25 in London, 8 in Salford, 4 in Newcastle-upon-Tyne, 3 in Manchester, and 2 in Norwich. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2308 births and 1469 deaths were registered. Allowing for increase of population, the births were 511, and the deaths 107, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the four preceding weeks from 19·1 to 18·1, further fell last week to 17·3. During the first six weeks of the current quarter the death-rate averaged 18·1 per 1000, this rate being 1·8 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

62359.—6. 635.—5/90. Wt.

The 1469 deaths included 62 from measles, 12 from scarlet fever, 25 from diphtheria, 99 from whooping-cough, 3 from enteric fever, 11 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever or cholera; thus, 212 deaths were referred to these diseases, being 6 below

the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 17. Two cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. deaths from measles, which had been 61 and 67 in the two previous weeks, numbered 62 last week, being 2 below the corrected average; 7 belonged to Marylebone, 6 to Islington, 8 to Shoreditch, and 5 to Lambeth sanitary areas. The fatal cases of scarlet fever, which had been 17 and 15 in the two preceding weeks, further declined last week to 12, being but half the corrected average; 3 belonged to the North and 3 to the South groups of sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1088 scarlet-fever patients at the end of the week, against 1113 and 1102 in the two previous weeks; 131 cases were admitted to these hospitals during the week, against 95 in each of the two previous The deaths from diphtheria, which had been 20 and 18 in the two preceding weeks, increased again last week to 25, exceeding the corrected average by 9; 4 (including 2 of children admitted to hospital from one house in Yerbury Road) belonged to Islington, 3 to Bethnal Green, 2 to Stepney, 3 to Mile End Old Town, 3 to Poplar, and 4 to Greenwich sanitary areas. The deaths from whoopingcough, which had declined from 106 to 86 in the three preceding weeks, increased again last week to 99, and were 24 above the corrected average; 4 belonged to Kensington, 5 to Pancras, 6 to Islington, 11 to Hackney, 9 to Shoreditch, 5 to Bethnal Green, 7 to Mile End Old Town, 6 to Lambeth, 4 to Battersea, and 4 to Camberwell sanitary areas. The 11 deaths from diarrhæa were fewer by 10 than the number in the previous week, and by 2 than the corrected average; 7 were of children under one year of age, and 3 of persons aged 60 years and upwards.

The deaths referred to enteric fever, which had been 6 in each of the two preceding weeks, declined last week to 3, and were 6 below the corrected average. The Metropolitan Asylum Hospitals contained 61 cases of enteric fever, and 2 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week,

against 9 and 5 in the two previous weeks.

Three deaths were attributed primarily to influenza, the numbers returned in

the two previous weeks from this cause having been 6 and 2.

The deaths referred to diseases of the respiratory organs numbered 301, showing a further decline from the numbers recorded in recent weeks, and being 16 below

the corrected average.

Different forms of violence caused 62 deaths, concerning all but 2 of which inquests were held. Of these 62 deaths, 11 were cases of suicide, and one of murder or manslaughter, while the remaining 50 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 6 by burns or scalds, 2 by poison, 3 by drowning, and 15 (of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3087 births and 1870 deaths were registered, corresponding to annual rates of 28:0 and 16:9 per 1000 of the estimated population. In the Outer Ring 19 deaths were referred to whooping-cough, 12 to measles, 5 to diarrhæa, and 4 to diphtheria. The deaths from whooping-cough included 3 in Croydon, 3 in Tottenham, and 3 in West Ham sub-districts. Two deaths from diphtheria were recorded in Walthamstow sub-district, and 3 from measles in Croydon and in Tottenham sub-districts.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during April will be found on pages 191-192.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.42 ins.; the highest reading was 29.63 ins. at the beginning of the week, and the lowest 29.25 ins. on Friday evening. The mean temperature of the air was 52.4, and 2.1 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Friday, but showed an excess on every other day of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 7.9 miles per hour, the corresponding weeks of 16 years. Rain fell which was 2.6 miles below the average in the corresponding weeks of 16 years. Rain fell on six days of the week, to the aggregate amount of 0.56 of an inch. The duration of registered bright sunshine in the week was 14.2 hours, against 26.5 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES. who have furnished him with the average daily quantity of Water supplied during the month of April 1890; according to their returns 165,831,363 gallons or 753,448 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 218 gallons (99.0 decalitres), rather less than a ton by weight, to each house, and (assuming 7.8 persons to each house) 27.9 gallons (12.7 decalitres) to each person, against 26.7 during April 1889.

COMPANIES.	Number of Houses, &c. supplied in	Average daily Supply of Water in Gallons.
	APRIL. APRIL. 1889. 1890.	APRIL. APRIL. 1889. 1890.
TOTAL SUPPLY	749,655 761,186	156,329,633
From Thames . From Lea and from other Sources .	361,408 367,164 388,247 394,022	77,497,914 83,020,393 78,831,719 82,810,970
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lamboth	34,881 35,343 71,541 72,933 110,854 112,032 55,5225 56,090 88,807 90,766	0,021,881 4 9,785,958 14,188,616 15,316,205 22,230,205 23,237,379 16,010,012 17,330,851 10,047,200 17,350,000
LEA AND OTHER SOURCES. New River East London	152,171 153,283 164,357 167,038 71,719 73,701	29,474,000 30,273,000 38,021,132 40,781,463 11,336,587 11,756,507

Note.—The Return for April 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,531 houses, and of 9,501,780 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATER SUPPLY DURING APRIL.

Water-analysis Laboratory, The Yews, Reigate,

1st May, 1890. SIR. I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0.6, New River 0.7, Tottenham 1.0, Colne Valley 1.6, Lambeth 1.8, Grand Junction 2.0, Chelsea 3.3, West Middlesex and Southwark 2.4, and East London 2.5.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, in every case, efficiently filtered, and exhibited, for river water, a

high degree of organic purity.

The water obtained chiefly from the River Lea by the New River and East London Companies was also efficiently filtered. That of the New River Company was of a very high degree of organic purity, whilst the East London Company's supply was slightly inferior in this respect to all the Thames derived waters.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity. The Kent and Colne Valley waters were clear and bright, but the Tottenham water was again slightly turbid owing to suspended particles of rust of iron. The supply of the Colne Valley Company was the only soft water delivered in London.

Seen through a stratum two feet deep, the waters presented the following appearances:—New River, Kent, and Colne Valley, clear and colourless; Tottenham slightly turbid and colourless; the remaining waters clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied

to that city was "slightly turbid and greenish yellow in the two-foot tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

Control Contro		CONTRACTOR	CONT. PROPERTY	100 Ct		_	- BOILD		Manhard Spirit	CHARLES THE REAL PROPERTY.			
COMPANIES OR LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.			
THAMES. Chelsea	April 14th, Cab Rank, Horse Guards, Whitehall.	9.3 •	28.10	•103	•028	0	•212	•240	1.9	20.0			
West Middlesex · -	April 14th, Cab Rank, Portland-road.	10.0	27.14	•119	•024	0	•201	*225	1.9	19.7			
Southwark	April 14th, Cab Rank, Bricklayers Arms, Old Kent-road.	9.6	27'-90	•115	*028	0	202	*230	1.9	20.3			
Grand Junction -	April 14th, Cab Rank, Uxbridge-road, near Marble Arch.	9.3	27.68	•097	•021	0	202	*223	1.9	2016			
Lambeth	FApril 14th, Cab Rank, St. George's- road, Southwark.	9.3	27.96	•087	•021	0	•219	•240	1.9	20.9			
New River	April 14th, Cab Rank, Tottenham Court-road.	9.5	27.78	.080	.010	0	*283	.*293	1.7	20.9			
East London	April 14th, Fire Brigade Station, Commercial-road, E.	9.5	32.06	•116	•029	0	•259	*288	2.1	23.0			
C Kent	April 14th, Mill Lane, Deptford.	12.0	45.22	*025	*010	0	*534	*544	2.6	32.9			
Colne Valley	April 21st, Bushey.		21.30	*075	*020	•009	•423	*450	2.5	8'1			
Colne Valley Tottenham	{ April 16th, Tottenham. }	_	41.04	•041	•020	*068							
Corporation of Birming- ham*	April 8th, 14, Court Rea-street,	8.9	28.92	•199	•024	.001	132	•157	17·5				
Corporation of Glasgow+-	April 15th, Loch Katrine Water.	6.6	2.2	•147	*034	0	.003	*037	•75	0.95			
Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.			

† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is be to read thus:—the Chelsea Company's water, collected on the 14th April, at the Horse Guards cab-rank, had a temperature of 9° 3 C.; 100,000 lbs. of it contained 28 10 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained 106 lb. of carbon and '028 lb. of nitrogen. The above quantity of water also contained no ammonia, and 212 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 240 lb. The above weight of water also contained 1.9 lbs. of chlorine; and 20.0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

						_							_	_					_	_														
	CITIES	BOROUGHS,	003-	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	PORTSMOUTH.	PLYMORWICH.	BRISTOL,	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	Nortingham.	DERBY.	BIRKENHEAD.	LIVERPOOL.	ROLTON.	MANCHESTER,	SALFORD.	OLDHAM.	DEPETON DESCRIPTION	HUDDERSFIELD.	HALIPAX.	BRADFORD.	LEEDS.	SHEPFIELD.	HULL,	SUNDERLAND.	NEWCASTLE.	CARDIER.	EDINBURGH.	GLABGOW.	DUBLIN.
	T T T	Centi- metres.	I	1.5	•08	1.42	3.00	•	1.27	62.5	10.2	•	•	18.0	1	ı	1.14		•	•	•			•	1.47	1		4.50	\$.54 	2.18	-	26.0	1000	16.0
D A THE STATE OF		n Inohes.	ıı	07	0.83	92.0	1.18	a (0.20	1.10	62.0		1	0.33			0.45						•	•	89.0	1	1	22.1	88.0	98.0	1	0.38	6 00	88
AIR.	ean.	-sbergian	ව දි 	100	9.64	11.33	11.22		11.83	10.11	11.6	•		00.01	ı		00.11		•				1	,	02.01	1	1	8.44	7.50	8 33	1	8.39	1 6	00.01
OF THI	Me	.tiednost.	F.8	i	6.6	-	52.2	£ (58.3		2.8	,		20.0	1	_	8.19	,	•		4		1		50.9 1	1	-			0.24	•	47.1		20.0
ATURE	.31	Lower		.0.	35.0	0.07	0.4		0.97	-	37.3		1	28.4		1	44.3	,	i		ı	a 1			45.0	1				37.0	1	38.0		35.7
TEMPERATURE OF THE AIR.	-18	Highe	10	: 1	27.1	- 1	0.99	4 1	65.2	-	63.5		£ .	1.29	ı		9		8		8	a (1	7 7.99	ı	-			0	1	56.5		20.00
Rate 06	caths	From iseases in ols. 6-12.	-	-	9.3		101	6.6			1.3	2.0	-	-	00 0	_	0.7	7 7	1.8	n	0.0	0 10	9.0	1.0	-	1.0				9.7	0.0	-	2.9	_
Annual per 10	Week's Deaths	ilA mor' .sosusO			19.5	17.3	15.2	17.5	20.2	14.4	13.8	0.03	12.5	9.91	4.12	# OT	7.07		81.8	8.77	17.8	20.3	9.01	72.4	4.02	8.75	7.97	17.6	21.4	82.8	0.91		27.3	
	.mams	Gio sesus	- -		65 1	_	e .	. ,	1 64	63	1	9	-	c	1 1	-	6	•	9	7 0	8	1 6	1 1	60 C1	22	e3	_	2		මා න :			_	15
	. au	Deaths in Public Institution	15		652	325	20	2 62	4	10	ଦୀ	42	4	20	9 •	4	92	23	44	61 6	79 0	O 01		4	14	20	18	9	1 .	16	11		35	
••		ваО завири	1 4		238	134	c	n 1	A	7	1	6	7	4	20	4	22 0	3	12	63	8 0	20 00		e-3	9.	12	က	00	4	0	93		٥.	10
Inde.	I	· sonelof	A 25	1	120	62	1 0	1 1	å	å	1	70	-	00	1 (01	64	63	-	1 0	200	1 6	-	4	41	93	63	က	00	61	99	1	4
The DRATHS registered in the Week include		.sedtrai(I	1	36	11	1 -	٠ ،	1	63	1	63	<u>~</u>		1		63	63	г	63 1	,	- 1		ı	-	63	-	-	က	74	1	63	4	-
the W		-1949	_ -	+	21	က	-		1	1	<u></u>	_	-	_	1 1	_	oo ,	_	63	A 1	r4	1 4	8		1	1	-	63	•	1	1	-	4	က
ered in	Deaths from	Vhooping-	4 5	1	151	80	4	-	4 63	ı	1	63		1	တ	8	10	က	ಣ	49 (න න	1	-		63	es	O	M	~	00		10	16	ಣ
regist	Deatl	.eirehtheris.		-	43	22	1	1 0	3 1	-	1	-	1	1	1	4	1	-	ಣ	90	1	1	1 1	1		-	, ,	1		4	1	1	64	1
EATH		carlet. Fever.		-	8 44	120		. 1			•		-		-	1	9	1		4	1 ,		1 1	C/3			4	_	31	1	1	-	10	-
The I		leasles.	- -	-	- 108	62		1 -		-	-		•		- 12	_	- 1	-		-	<u>.</u>	1				1	 			-		-4		01
		abrawqubi	_ =	:	=	4	6	09 (0 5	000	6	33	00	15	11	00	24	22	29	653	6	00 •	@ 10	4	59	00	39	9	14	19	10			
Ĭ	eat	Age. ersons aged 60 Years dupwards		- -	811	844	4		e	5.	es	=	-	29		0.	00	0		00	···	0		4 60	00	- T	60	2 1	0 1	4		1 23	48	4
-		isnts under		-	9	96	99	43	3 -	64	22	1-	7	00	53	11	883	26	90	9	59	41	10	40	4	-	L-	72 1	9	1	9	9 - 2		61
ed duri	k endin	DEAT		6	3586	1469	63	4, 0	, e.			177			113	00	64	F-3	22.8	106	1.5	40	9 -	. 4		129	16	-	10	101	36) 	278	15(
Registered during	the Week ending 10th May, 1850.	BIRTES, DEATES.		2i	5323	2308	62	84	2 7	126	41	288	83	131	54	62	325	94	256	115	71	623	00	88	89	225	171	86	81	132	96	158	420	212
	2	to the middle of the Year 1890.*		1.	9,715,559	4.421.661	123,650	142,952	95,352	18,780	53,406	467.86K	154,344	244,909	100,871	105,019	613,463	115,816	879,437	242,509	146,716	123,553	501,001	82,034	240.515	\$6:,799	\$ 32,837	213,833	126,506	162,987	117,012	271,185	130,208	\$53,082
	CTTTER	ģ		Cols.	28 TOWNS	· Mound	BRIGHTON .	PORTSMOUTH	Norwich .	PLYMOUTH	WOLVERHAMFTON	Dennerada	TETOTETER .	NOTTINGHAM .	DRRBY	RIBERRHEAD .	LIVERPOOL .	BOLTON	MARCHESTER .	SALFORD .	OLDHAM .	BLACKBURN	PRESTON .		BRADFORD	LEEDS	SHEFFIELD .	HULL	SUNDERLAND .	NEWCASTLE .	CARDIER	EDINBURGH	GLABGOW -	DUBLIN

Table 2. LONDON .- Births and Deaths Registered in the NINETEENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.**	1890
Total Births Males Females .	2687	2561	2569	2637	2811	2544	2424	2481	2574	2565	2819·2	23 08
	1377	1348	1305	1335	1391	1318	1244	1263	1303	1264	1434·3	1163
	1310	1213	1264	1302	1420	1226	1180	1218	1266	1301	1384·9	1145
Total Deaths Males Females	13 8 9	1427	1433	1653	1586	1496	1414	1395	1360	1295	1575·5	1469
	698	727	705	868	819	784	703	731	715	619	803·6	781
	691	700	728	785	767	712	711	664	645	676	771·9	688

^{*} The numbers in this column are the average weekly numbers in the nineteenth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEI

TABLE	S. LIUIT.	DON.—E	V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, 27322		***************************************	NAME OF TAXABLE PARTY.	310020	GA IL	· UIIC		THIRT	LIMITAL	VVEEL	713 e
			Feb. 15.	Feb. 22.	Mar.	Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.
TOTAL E	lirths		2793	2702	2561	2536	2717	2534	2543	2329	2360	2935	2538	2613	2308
TOTAL D	eaths		1809	1847	1802	1889	1771	1637	1571	1419	1619	1611	1567	1533	1469
Death	40-60 ,	, -	763 218 357 390 81	753 256 363 374 101	739 234 3 24 418 87	798 226 348 428 89	776 196 303 404 92	729 193 296 342 77	743 204 264 309 51	657 183 239 285 55	774 204 2 75 3 08 58	782 177 282 291 79	742 197 255 313 60	721 210 227 305 70	712 170 243 274 70
7	Under 1 ye 1-5 5-20	ar -	352 306 105	393 259 101	367 263 109	394 294 110	392 271 113	381 270 78	\$66 \$04 73	310 253 94	372 298 104	356 322 104	369 286 87	337 294 90	360 251 101
Deaths from 17	Measles Scarlet f Diphthe: Whoopin Typhus Enteric i SimpleC Diarrhoe Dysen Cholera , all the entioned I Dis. of R tory Phthisis Dis. of Co	fever - ng-cough fever - ontd fever a and tery - above-	21 14 89 115 - 12 1 6 - 208 439 215 143	1 14 13 27 103 - 8 1 21 - 188 452 218 162	19 14 24 97 7 1 12 - 174 492 224 146	35 12 19 95 - 4 1 9 - 175 510 206 163	35 18 25 86 - 3 1 14 - 182 447 164 145	-45 11 23 76 -7 -14 - 176 381 169 148	45 10 30 10! -7 1 13 - 207 375 154 120	35 8 20 84 - 2 1 10 - 160 296 180 114	54 12 21 79 1 4 - 10 - 181 384 174 151	65 13 17 106 - 8 - 11 - 220 580 189 133	61 17 20 38 -6 1 13 - 206 345 154 119	1 67 15 18 86 1 6 - 21 - 215 326 143 140	62 12 25 99 - 3 - 11 - 212 301 189 132
Violent De Inquest Ca Deaths in I TEMPERATI	aths - ses - Public Inst	itutions	56 137 436 35.9 41.7	77 143 434 0 39·4 43·9	52 134 425 35·4 42·0	65 120 406 36.4 43.6	76 162 390 45·3 54·0	49 115 406 43·3 52·0	61 117 377 49.0 57.3	36 85 362 48.8 54.9	60 133 382 43·2 52·0	41 105 338 46·1 53·8	61 125 374 47·1 56·7	61 124 342 50.7 62.2	62 134 325 52·4 61·6
Mean of Humidity o		adings -	87 0.88	89 0.04	87 0·22	29.0 69 0.33	37·6 79 0·24	36·0 8 2 0·81	42·6 84 0·41	33·1 72 0·00	37·0 72 0·29	39·9 81 0·38	40·1 82	38·9 67 0·07	44·6 80 0·56
Rain-fall ir Registered	Sunshine (in hours)	31.2	12.4	9.7	12.1	28.1	21.5	14:6	59.8	22.0	27.0	15.9	63.9	14.2

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverbampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingmam; J. Hartunp, Eso., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different Causes in the Nineteenth Week of the Year 1890.

	years		-			_	nding Iay 1				for the						ndin ay 18		1
	he 10 y		D	eath	s of the	Pers	ons o	f			ges fa		D	eath	s of I	Perso	ns of	Ē	
ES OF DEATH.	Corrected Averages 19th Weeks of the 1 1880-89.*	ALL AGES.	0-1.	Unde 20.	5-20.	2) and under 40.	to and under 60.	39 and under 80.	80 Years and upwards.	CAUSES ÖF DEATH.	Corrected Averages 19th Weeks of the 1 1880-89.*	ALL AGES.	0-1.	Unde 20.	5-20.	20 and under 40.	40 and unuer 60.	60 and under 80.	80 Years and
AUSES	1575.5	1469	360	251	101	170	248	3 27	4 70	Diseases of Organs of Special Sense † -	2.0	4	-	1	2	-	1	-	-
Vaccinated; - Unvaccinated No Statement	}16·8{	1 1 1		-	-	-	-	-	-	Diseases of Circulatory System	112.4	132	A CONTRACTOR OF THE PARTY OF TH	1	11	18	38	54	10
Fever	0.0 0.3 0.3 0.3 0.8	62 12 - -	16 2 -	45 7 - -	3 -				-	Croup Bronchitts	10°5 174°6 197°8 6°7 27°6	9 151 112 8	\$ 51 24	5 20 25 -	1 1 6 1	4 13 3	15 24 2	43 18 2	17
za ng-cough eria Continued and	0.0 74.8 15.6	3 99 25	44	53 15	2 8	1 -	1 -	1 - 1	-	Dentition † - Quinsy, Sore Throat † - Enteritis	17·4 1·9 5·6	21 14 2 8	6 3	8 1 1	2	1	- 1	1	
fined Fever	8.5 0.5 13.9	8 - 11	- 7	- 1	2 -		1 -	- 2	- 1	Peritonitis Diseases of Liver - Other Diseases of Digestive System -	6°2 33°8 29°3:	37	9	5	2 2 1	3	8	6 10	1111
nt Fevert hobia	0.0 0.0 0.8	-	-				- - -	-	-	Diseases of Lymphatic System & of Ductless Glands †)	0.5	3	-			3	-	-,	-
and Effects of ation †	9·1 4·8	9 5	6 2		-	1 -	2	- 1	-	Diseases of Urinary System}	47.2	40		-	-	8	14	17	1
and Septicæmia † al Fever – - ymotic Diseases †	3·1 5·8 2·7	2 4 1	1	2	-	4	-		-	Accidents of Childbirth – Diseases of Locomotive	5·8 3·9 	7	-	1 1	2	2	1	-	-
und other Para-}	0.2	1	1	-	-	-	-	-	-	Diseases of Integumen- tary System}	5.9	4	-	-		-	2	2	-
on, Want of -milk †}	1·2 5·1	7	1 -	-	-	2	4	1	-	VIOLENT DEATHS.§ (ACCIDENT.)					The second secon				
tic Fever. } atism of Heart† } tism †	7°4 2°5 3°1	10 2 2	-	1	4		2 - 1	3 2 1	-	Fracture and Contusion Gunshot Wound Cut, Stab Burn and Scald Poison Drowning	18.8 0.1 0.3 4.6 0.9 6.9	22 - 6 2 3	11111	1 2 2	2 - 1	8 1 1 1 1 8	5 2 2 1	2	80 1 1 1 1
esenterica – ar Meningitis –	4'3 57'4 22'8 32'6	7 47 19 24	11 8	5 - 5 8	2 1 2 5	6 2 3	20	17 1	3	Suffocation Otherwise (Homicide.)	2.6	15 2	15 2	-	-	-	-	-	-
Tuberculosis - Constitutional	163°4 18°3 13°2	139	4	5 -	19	64	45 1 1	9 - 2	-	Murder & Manslaughter (SUIGIDE.)	1.1	1	-	-	-	-	-	1	-
re Birth dis t	39°1 2°4 6°3	45 2 8	45 2 7	-	-	-	-	-	-	Gunshot Wound Cut, Stab Droison Drowning Hanging Cut, Wilson	0°9 1°9 2°8 2°6 1°4 1°1	3 6 1 -			1	1 -	1	4	11111
	47.2	39	-	-	-	3	15	15	24	(EXECUTION.) Hanging	0.1		-	-	-	-	-	-	
ons seases of Brain }	7·1 49·8 93·7	6 52 77	40 9	12	1 -	1 - 9	3 -	1 - 28	3	OTHER CAUSES †	56.2	41	8 8	2	-	-	-	1	-

to could not be correctly assertained, the average for the eight years 1832-9 has been used.

To only are returned as "vaccinated" or as "unvaccinated." which are so certified by registered medical men. When see not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered to turned under the heading "no statement."

State is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, and such cases are classed under "accident or negligenee."

ABLE 5. LONDON. -POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCAR

						1				100	1.		dur	ing t	he V	Veek	end
**************************************	1					,	The	DE4	THS :	regist	ered i	n the	Was	kine	lude		
1	Cnume-			Dear	the of					Dest	bs fro					1	
REGISTRATION	Pated Form-	. 41	. H	-	. 60 rds.		1			agh.	1	or Fever,	2.	1	1		Public
SUB-DISTRICTS.	Lation.	HIEI	DEATES.	under of Age.	aged 60	. H		Fever	, eg	Whooping-cough		or (Fever			Cases.	Prons.
	1881	8			Lrs &	11-po	les.		ther	ping	us.	ric	le e	rhas	nce.		i fintio
		Total	Total	Year	Persons Years	Small-pox	Measles	Scarlet	Diphtheri	Уро	Typhus	Enteric Typhoid)	Simple tinued	Diarrh	Violen	Inquest	Deaths
						-		-	-			-	-	-	-	-	-
rondon	3,815.704	2308	1469	360	344		62	12	25	99	-	3		11	62	134	325
WEST DISTRICTS	965,947	311 542	247 336	57 89	64 79	•	16	2 4	8	13 25	-	1.	-	5	5 :- 10	13	63 73
NORTH DISTRICTS	282,238	132	114	21	22	+	4	1	1	10	-	-		-	7	16	39
EAST DISTRICTS -	692,738 1,265,148	480 843	292 480	85 108	51 128	_	15	2 3	8 7	28 25	-	1	-	1	15 25	33	58 92
SOUTH DISTRICTS METROPOLITAN ASYLUM POS- PITALS OUTSIDE REGISTRATION	-		-	-	-	-	_	-	-	_	-		-	-	1	_	-
LONDON) WEST DISTRICTS.				-			-	-	-	-						-	-
St. Mary Paddington WHH G.J. &W.M.	69898	31 7	22 16	5	6	-	2	-	-	1	-	-	-	1	- 8	3	1
St. John Paddington H	\$7880 120141	65	39	10	5 15		2	-	2	4	-	_	_	1		5 1	8 12
Brompton H - W.M.	43010 7899	11 8	8 2	2 -	3	-	-	-,	-	-			-	1	-	_	2
St. Peter Hammersmith t. Paul Hammersmith H W.M. & G.J. Fulham Www	64340 42900	47 44	23 31	10 7	7	-	ī	2	=	2	-	1	-	1	1	1 3	11
Chelses South HHH - C.	20398 24925	15 15	10 15	4	4 2		1		ī	-	-	-	-	-	-	-	1 6
Chelses North-east	\$2807 80 353	17 8	12 11	4.	6		-	-	-		7_				-	-	+3
May Fair WW-Belgrave WHHH-C. St. John Westminster HHH - C.	89220 85496	15	26 6	6	4	-	1 -	= .	=	3 1	-		-		-	-	7
dt. Margaret Westminster 22	24479 29941	3	10	2 8	3	-	-	-	-	1	-			7	-	-	6 2
St. James Westminster WHH N.R.&G.J St. Anne Soho HHHHHHHH - N R.	16608	8	4	ĭ	1	-	1	-	-			-	-	`	-	-	3
NORTH DISTRICTS. Ali Souls Marylebone HHHHH W.M.	26759	9	8	2	2	-	-	-	1-	_				-	_	1	2
All Souls Marylebone HHHHH W.M. Cavendish Square HHHH W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christchurch Marylebone HH - W.M.	14991 24809	1 12 22	6 2	2 -	2	-	-	-	=-	-			-	-	-	1	-
St. Mary Maryleb. HHH G.J. & W.M. Christehurch Marylebone HH - W.M W.M W.M.	21118 83700 \$3633	18 13	11 5	3 3 2	1	=	3 3 1	-	=	-	=			- 1	1	3	-
Hampstead WwwHHHH N.R. & W.M	45452	29	17	3	5	-	1	1	2	1		-	-	1	1	2	8
Regent's Park Paneras H - W.M.	89115 27729	19	8 24	2 2	8	-	-	-	i.		-		-	-	1	2	14
Somers Town H N.R.	30247 84369	17 26 9	19 16 11	8 4	5 3	-	ī	-	<u>-</u> -	1	-	-	-	- /	1	1	6
Kentish Town W N.R.	17311 87487	57	26	7	5	-	ī	-	-		-	-	-	-	2	2	5
Upper Holloway WWwH - N.R. Islington South-west HH - N.R. Islington South-east - N.R.	67948 100976 61835	42 67 34	31 37 14	6 10 6	11 9 4	=	1	=	1 -	3	-	_	-	=	1 -	4	12
Highbury H N.R.	\$2048	84	18	5	5	-	8	-	-	2	-	-	-	-	-	1 -	ī
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	10 6 18	7	3 1 2	1 -	-	,	-	-2	2	-	-	-	Ξ,	-		Ţ.
West Hackney H - N.R. Hackney WwwwH - E.L.&N.R. South Hackney - E.L.	76911 39488	65 22	48	12 2	12	-	1 -	3	4	9	-		-	1		1	18
CENTRAL DISTRICTS.				1					-		-				1	2	-3
St. George Bloomsbury - N.R. St. Giles South WH N.R.	16681 14864	9	8	8	3	-	-	-	-	-	1 4 1	-	-	-	1	1 3	- 2
St. Giles North N.K.	18837 17508	3 2	8	1.	1	Ξ,	-		=	1	-		-	-			4
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515 6559	2 2	6	-	1	-	-	-	Ξ	-	=	-	-	-	1	2	- 6
Strand Union Workhouse, Edmonton W. St. Geothe-Martyr HHHHHHH N.R.	16671	13	8	ī	1	-	1	-	-1	- 1	-	-	-	-	-		1 4
St. Andrew Eastern W - N.R.	10706 6583	5 1 4	3 4	ī	1	-	=	= 1	-	ř	=	-		-	-	1	. i
St. James Clerkenwell - N.R. Amwell Clerkenwell - N.R. Pentonville - N.R.	17516 1925) 14773	9 14	3	3 2	-	-	2 -	-	-	ī	-	-		-	1	2	E
Closwell-street N.R.	17503 11541	12	6 6 3	3 2 -	2	=	ī	-	=	1	7	-	-	-	1	2	Ĩ
Uid-street H N.R. City-road HHL N.R. Whiteeross-street N.B.	18628 9217	15 9	6	4	1	=	-	-		1 -	=	=	-	-	-		2
Holborn Union Workhouse, Mitcham, w.	7460	1 -	1 -	=	1 -	-	-	1.	-	=	=	=	=	-	=	1	5.
St. Botolph H N.E.E.L. Cripplegate N.R. St. Sepulchre H N.E.	11174 7193	3	4	-	1 ~	-	-	-	-	=	-	-	-	-			-
Cripplegate N.R. St. Sepulchre H N.R. St. Bride W N.R. Allhallows Barking - N.R.	535~ 839n 13666	1 5	20	-	1	-	-	15	1	Ì	=	-	= ,		8	8	18
Broad Street H N.R.	6659	2	-	=	-	=	-	1 -	-	=	-	-	=	-	-1		-

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutious situated therein, namely: W—Windows; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers: are received; w—Workhouse Establishm receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Homan capitals signify the Wompanies which supply the different sub-districts:—G. J. signifies Grand-Junction Company: W. M. West Middlesex; C. Chaisea; S. Southvand Vannhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

R, DIPP'THERIA, WHOOPING-COUGH, FEVER, DIARRHELA, VIOLENCE, &c., registered in each Sub-district day, 10th May, 1890.

day, 10th May, 1890.		*******************************		in:2012210min														
\				1_			Th	e De	ATHS	regist	tered :	in the	Was	k in	lude			
	Enume-			Dea	ths of					Deati	as froi					-	0	, 007
REGISTRATION BUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-por.	Measles.	Scarlet Ferer.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Publi	Uncertified Causes of Death.
EAST DISTRICTS. itch South	22343 29937 28036 46275	7 22 25 30	10 18 14 20	3 5 5 4	4 1 4	7 1 1 7	2 1 - 5	1111		3 2 3 1			1111			- 2	2 5 - 5	1171
l Green North H E.L. I Green South E.L. I Green East WHL^* - E.L.	51157 34399 41405	44 22 29	8 10 19	2 5 7	1 2 4	-	1	1.171	ī	2 3	7 -	111		1 2 2	1 2	1 2 2	1	
olds E.L. & N.R. and New Town # E.L. & N.R. an's Fields E.L. N.R. & E.L.	22585 15473 17490 9713 6102	16 20 9 4 4	8 18 3	1 4 4 - 1	2 3 - 2		ī	1111		1	11111	11811	ritii	1	4	1611	7 10 -	n jul
rge's North E.L. n, St. George East W - E.L.	88747 8410	24 7	14 13	4 2	2 3	-	2	`-	-	1 -	<u>-</u>	-			ĩ	8 2	5	; <u>-</u>
ll H E.L. & N.R E.L. ause E.L.	10395 16107 82041	7 9 20	8 4 18	3 - 6	2 2	111	1 1 1	177.	i	2			111	111	1	1 - 4	6	- 1 -
nd Old Town West H - E.L.	87960 67653	84 81	17 26	4 12	1 5	-	~ .	1	2	3	:- -	=,	-	-	. = .	1	3	I.
wwwH E.L.	37074 64359 55077	28 59 29	13 31 15	5 7 1	- 6 5	111	1 2 -	1	1 - 2	1 .		1	-	1.1.1	1 -	2 4 2	11 11 1	1.1
SOUTH DISTRICTS, hurch Southwark WH our Southwark - S, ad - S, & L, h-road WH - S, & L, -road HL Newington - S, & L, t Walworth W - S, & L, y Newington - L, & S,	13663 14999 21381 15953 21318 26672 59555 21623	6 8 11 16 9 16 30	4 2 4 10 8 13 19	1 3 3 3 8 6	2 1 1 4 5	ilitiii.	1		11111111	11100111	innini)	1111111	11:11:11	1111111	21	1 1 22 -	2 4 2 1	411111
e WH S. Market S. & L. y Magdalen W - S. es Bermondaey - S. ithe WH S. & K.	11956 16300 15669 54682 86024	12 10 11 45 26	12 6 8 24 23	1 3 1 4 2	2 1 5 8	11111	2 2	11111	11/11	1 2 1	11111	11711	-	11111	2 - 1 1	4 - 8 1	10	
0-road 1st H L, & 8, 0-road 2nd H L, & 8, 10-road 2nd H L, & 8, h Church 1st H - L, & 8, k Church 2nd WW - L, & 8, k L, 100 S, & L, 100 L, & 8, d W L	15195 16351 19876 39859 45282 35332 62837 19017	7 18 12 30 28 18 32 9	8 7 18 16 19 9 22 4	3 2 2 4 3 5 -	2 1 3 7 7 8 7 2	1111111	4		111111	1 1 2 -	1111111	11111111	1111111	111111111	1 1 1 1 1 1	5 1 1 - 1 - 1	13 7 - 1	Fidititit
ttersea	54675 52587 36880 28004 18285 25553	50 26 17 21 7 21	17 28 15 15 5 4	6 4 5 8 7	2 8 3 4 4 1	111,111	ī ī	11111	11111	1 2 1 1	111111	111111	111111	1	2 1	3 2 2 1 -	8 - 3	177
well W@L*L* - S. & L. & S. L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & S	5590 59104 71089 50810	38 45 46	21 16 28	3 3 7	9 7 2		2			1 1 2	1111	-		-	1 1 1	1 1 2	91	1 3
Deptford ww K. olas Deptford K. oh West H K. oh East WHH K.	76752 7901 21972 24608	54 2 13 29	37 [°] 2 2 13	9.	6 - 1	1110	-	1	4 - 1	3		1111	1111	1111	1 .	2	6 - 8	1
H K. m WH K. m H L.	5048 21559 19865 26076	9 12 21	3 5 5	1 1	1 2 1		1771	-					-	1111	11	- 1	1	1111
H// K, th Dockyard K, th Arsenal HH K, ad, West H K, ad, East W K,	10930 17617 19048 14009 19241	12 11 11 7 22	5 3 4 4 4 16	1 2 3	1 1 2 4	11111		11111	1	1	11111		1 1 1 1 1	11111	- 1 1	1 2	8 - 4	1
litan Asylum Hospitals: ford w chmore Hill w	. =	-	1 2		1	-		-	-	-	-	-		-	-	-	-	
							,	,	_	-	-	-			-		-	

lebone Infirmary in Kensington Town sub-district.

al London Sick Asylum, in Tottenham Court sub-district, and London Sick Asylum, in Tottenham Court sub-district, and London Sick Asylum, in Tottenham Court sub-district, and City Workhouse

in City Workhouse

in Hassney sub-district.

in Hoxon New Town sub-district.

in City in Hie End Old Town Eastern sub-dist.

in City in Hie End Old Town Eastern sub-dist.

Affile End Old Town Eastern sub-dist.

April 1890 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South,

TABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during

				W	eek er		Satu			May	, 1890),	•				
Regis-		Area				-			The Di	EATHS	registe	ered in	the V	Zeek i	nclude		1
tration		in Acres,	Enume-			Deat	hs of	-			Deaths	from					
District	REGISTRATION	inclu-	rated	HS.	PHS.	7	80 ds.	-	1-	1		of of	1		1		blia
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS	DEATHS	under of Age.	aged upw			Fever.	9	non				Cases.	Pub
district Num-		and	1881.	B	A	ts u	na &	XOd-		ot Fe	heri	ping		1004	nce.	st C	ituti
bers.		Fore-				Infants Year	Persons Years	Small-pox.	Measles.	Searlet	Diphtheria.	Whooping-cough	Fever.	Diarrhoa.	Violence.	Inquest	Deaths
												-			-		
1.01	NDON-OUTER RING	370,924	950,957	779	401	92	94		13	2	4	19			15	30	46
30:1	Carshalton wL -	12228	21118	6	4	-	8	- 1	-	-	-	-	-		2	2	-
37:1	Epsom (part of)* WwH Godstone (part of) * -	9971	10710	7	3	1	.1	_						_	_		1
38:1	Croydon Ww L -	20851	1235	52	38	7	11	-	3		_	8	_	_		1	12
2	Mitcham w †	11697	17932	16	7	1	1	-	1	-	- 1	-	-	1	-	-	-
39:1	Wimbledon HHH -	3220	15950	19	6	4	1	- 1	::a:=	-		-	-	-	-	-	-
2 3	Kingston WHH	8549 6601	36354 9221	23	9	3	1	-			-	-	_	_	2	2	-
4	Esher (part of) * - Hampton H	4578	13539	11 7	4	1.	. 1.	-			4	-	-	-	-	-	-
40:1	Richmond WH	2272	21302	7	5	1	2.		-	-	-	-	-0	-	-	-	1
2	Mortlake	2941	12331	8	5	2		-	-	~	7	2	-	-	-	1	-
41:1	Bromley (pt. of) * HH Chishrst(pt.of)* WHH	15669 14807	81142 15844	21 5	6		3	_	-	_	_		_	_	_	_	1
42:1	Bexley H ~	13437	24134	12	7		. 8	-	_	_			_	_	_	_	1
2	Dartford (Ww, pts. of)*‡		-	-1	1	-		-	7			<u> </u>	-	-		-	1
124:1	Sunbury w	11055	11688	12	3	- 1	-	-		-	~	**	-	-	-	-	2
125:1	Staines W	13277	12089	8	. 4		2		2	-			_	-	-		-
2	Hillingdon WHH - Uxbridge	6029 6178	10802 5225	7 2	2 1	1	- 3	-	·	_			_	-	_		_
8	Hayes wHL	14587	11523	.2	4	-	2	-	-	-	- 1	-	-	-	-	-	3
126: 1	Isleworth WHH -	7008	22727	11	13	4	4	-	1	-	1.7	. "	-		-	1	5
3	Twickenham H Brentford HL	2477 4345	12479 27849	11	5 9	3	2	u l	7	-		1	_	1	_	_	_
4.	Chiswick	1840	15975	12	2		-	-	-			-	-	-	-	1	-
107 - 1	Acton wH	6088	22876	23	8	2	1	-	-	-		-	1	1	1	2	
127:1	Harrow H	13809 6994	12796 3749	3	6	_	2				_	-2	_	_	_	_	1
8	Willesden	4383	27453	35	14	2	5	1-	-	-	-	2	-	~	1	1	-
107.3	Hendon W :	8382	10484	11	11	3		-	-			-	-	-	2	2	4
137:1	Bushey Watford (W, pt. of)* -	9331	6621	4	3		-	_	_	-		1	_	_	-	_	
128 : 1	South Mimms	15899	6391	5	2			12	-			244	_	-	_	-	-
2	Barnet	54 83	10092	1	2	-	2	-	4	-	-	-	-	-	-	-	-
3 135 3·1	Finchley HL	4638	17615	15	.9	1	8	-	7	-	-	-	-	-	-	-	6
128 : 1	Hatfield (part of) * -	3806 3039	583 37078	20	1	2	-			-		-					
2	Hornsey H Tottenham H	4642	46456	33 67	10 89	11	8		3	-	1	3	-	-	1	3	-
8	Edmonton Ww -	7483	23463	25	8	2	2	-	-	-		+	-	1	-	-	
5	Enfield WH Waltham Abbey	12653 11017	19104 5368	24	5 3	2 2	1	-	_	-		-	_	-		-	
6	Cheshunt	8480	7785	2	б	2	2	-	τ,	-	-	, 5-	-	-	-	1	-
186:1	Stratford	882	38606	24	13	4	3	-	-	-	1	-	-	-	2	3	-
8	West Ham wwH = -	4055 3296	90347 10706	108	49	14	7	_	1 -	1 _	_	3 _	-	1	2	2 2	-
4 1	Leyton WwL	4372	32430	83	22	7	\$	+		-		2	-	-	-	-	5
187:1	Walthamstow H -	6520	28869	-42	17	5	1	-	*	1	2	1	-	-	-	-	-
191:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	6	12	_	3	-	1 -	-	-	-	-	-	3	8	-
189:1	Romford (part of) * W	6730	3411	10	2	_	1	_			2	_	_		_	-	-
2 3	Hford	8493	7645	4	2	- 1	1	-	-	-	-	-	-	-	-	-	-
0	Barking Town	4127	9203	13	2	-	1	-	-	-	-	-	-			**	-

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow 80: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone su 60; 2. Epsons and natural, except the parishe of Assacina and treasity (pop. 193); 4:1, the parishes of variance and reasity (pop. 193); 4:1, Brominy exa-district, oxeept the parish of Cadanan and Knockholt (pop. 1818); 4:2. Chalchurst sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Norman in Handel sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 188: 1, the parish of Dagonham in Homford sub-district also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartferd, 187: 2, Watford, and 17: 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Metropolitan Asylum Hospital (see Table 5). & Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolita

Asylum Hospital Winchmore Hill (see Table 5).

¶ On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

BLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 10th May, 1890.

	Area			LRATE		1.	The Da	ATHE	regi	stere	d in t	the W	eek	inelue	le	
GREATER	in Acres,	Estimated Population,		O living.	DEATHS	Deat	ths of				Deatl	as fro	m			ublie ns.
LONDON.	including tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhosa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9,	10.	11.	12.	13.	14.	15.	16.
TER LONDON	448,334	5,758,500	16.9	2.3	1870	452	438	-	75	14	29	118	4	16	77	371
NER LONDON - TER RING -	77,410 370,924	4,421,661 1,836,839	17·3 15·6	2.5	1469 401	360 . 9 3	344 94	-	62 13	12 2	25 4	99 19	3	11	62 15	325 46

E.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 Foreign Cities, having an estimated Aggregate Population of 17,225,668 Persons.

	Population					Annual	DE	ATHS	FROM	PRIN DISEAS	ES.	ZYMO	
ITIES.	(enumerated or estimated).	DAT OF RET Week en	URN.	BIRTHS. Exclusive of	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
UTTA	433,219	April	5	_		_	_		_	_	_	200	
BAY	773,196	,,	15	247	416	23.3	3	2	?	9	2	139	30
BAS	398,777	March	28	280	291	37.9	-	16	2	5	5	89	39†
8	2,260,945	May	3	1122	1094	25*2	3	49	4	34*	10	9	54
Faubourgs.)	477,288	31	3	271	161	17.5	1	1	1	1	3	2	15
BRDAM -	406,302	93	3	264	189	24°2	-	3	-	3	5	1	
ERDAM -	203,486	,,	3	139	81	20.7	-	-	-		,		1
HAGUE -	156,497	2)	3	82	57	18.9	-		-		-	-	7
NHAGEN -	307,000	,,	3	171	120	20.4	-		2	6	3		3
KHOLM -	228,218	April	26	147	98	21.5	-	-	11	4*	1	· ·	6
STIANIA -	143,300	May	3	73	55	20.0	-	-		2	1		-
ETERSBURG	924,466	April	19	-	627	35*4	2	24	26	10	3	4	65
LIN	1,526,887	33	19	989	680	23.1	-	14	8	33	11	2	57
BURG(State)	575,276	33	26	411	254	23.0	-	3	-	124	1	1	25
SDEN	269,250	,,	26	156	122	23.6	-	-	1	, 7*	-	-	11
BLAU	324,143	May	3	192	161	26.4	-	-	6	4*	2	-	/8
ICH	298,000	April	. 26	251	148	25.8	1	2	-	6*	· 1	-	17
INA	822,176	May	3	544	435	27.5	1	11	1	4	2	200	38
SUE	314,425	,,	3		166	27.5	-	5	2	6	1	1	8
A-PESTH -	463,017	April	26	310	299	33.6	-	4	S	17	-	4	28
STR	160,092	May	3	111	97	31.2	-	-	-	3*	-	ton .	. 3
E	415,498	April	5	238	143	18.2	-	5	-	3	-	3‡	6
IN (11 days)-	314,827	1)	10	•		-	-	-	-	-	-	-	
ICE	156,515	,,	26	-	PH .	-5	-	-	-	-	-	-	
80	374,838	,,,	17	335	299	41.2	-			1	3	15	98
XANDRIA -	231,396	,,	17	220	153	34.4	2			1	1	5	33
YORK -	1,595,547		19		721	23.4	-	31	5	31	4	1	13
OKTAN -	852.467	"	19	_	329	20.0	-	5	-	21	2	2	2 3
LADRLPHIA -	1,064,277 {	27	19	-	432	21.2	-	10	5	8 10	2 2	13 15	3
TIMORE -	500,343	33	26 26		431 184	19.1	-	6	3	10	2	5	2
V ORLEANS -	254,000	33	12	-	124	25'5	-	1	-	1	-	1	4
	201,000	1 "		11	1	[]	11			A730E PRINCES			-

^{*} Including deaths from croup.
† Including 1 death from cholera.
‡ Including 2 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturdary, MAY 10TH, 1890.

1				10	67	8.8	0.0	5.0	4°5	0.01	60 60	27	no	are sion and ing	-	nic nt	nd ▼	7 P	De De	e e e	126
-	n tod	980	ness ve								-	-	11	scussic scussic ster, ar readir	the a deduce Hygr	oveme	er," an	ord, an	nt, she	29 -44	withou
	Rail	in a Gauge whose	surface is 5 inches above the Cround.	in. 0.00		0.03	90.0	0.0	0.83	0.03	Sum 0.56	26	vel of the sea; The means of	on a di barome I mean the m	y are sher's	photental market	ates "higher," and of two feet below	Deptfo ons fr	trume	ed to	Doning
	The state of the s	on's.	Depar- ture from Average of 16 Years.	Miles.	- 34	- 81	-139	- 20	- 11	1 55	Sum -445	25	M. Th	uced fro for the l prected ings of	temperature of the air of humidity are deduced ers by Glaisher's Hygro-	n of the horizon ending	dicates	rket at	Sunshine Instrument, shown nderstood as applying to the	decreas	and non
		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	219	171	113	293	2.40	193	Sum 1319	24	the meand sh. P.	ons deduces 1873 fath the countries the tread	of ter ree of h meters	iscussio that of 6 years	at + incate	ttle Man inder in	s Sunsh underst	to 6th;	1041
Wind on Androad from Anomorphous	meters.	1	an 24 crly s.	lbs. :	0.0	0.0	0.0	0.1	0.1	0.0	:	23	above	orrections sendings. Wirelean of	nd deg	om a d	ind the	ign Carket, u	to be	on the	71
A TO SERVICE	Mana	Pressure on the	Least, ho	lbs. 11	0.0	0.0	0.0	0.0	0.0	0.0	:	29 2	59 feet se to se ; 3h. P	in of construction of construc	ure al	ved fre ling 18 ords fo	e in m e susp(B Fore	npbell day. ns are	b. A.M b. A.M 9h. P.A	O American
and function	nor near	Pressur	Great. Le	lbs. 11	1.3	1.5	0.0	1.4	1.3	0 8.0	:	21 2	per is 1	licatio blicatio twent thermo	mperat d wet	ars end	e born mes ar	of the contraction of the contra	he Can 1 each ervatio	m 29 o. i. by 9 in. bv	ALL TO SEE
And ded w	na acan	Osler's.	Gr		×2					 	:	1 2	aromet lings to	the applying the or the the	ng the	is that 20 year	will b re Thar	jetties	from t hine or al obse ht.	9.52 in 29.48	-
Witne	WING	Osi General Directica.	P.M.	ង	SSW. &	SSE. & SSW	SE. & E	E, ENE. &	NE. &	S. SE. &	Variable.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sear correction has been applied to the readings to reduce to sea level. Observations are usually taken at 91, A.M.; noon; 51, P.M.; and 91, P.M., The means of	by-resulting to the particles, the try but before however, and the vob out of reinforces; are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty wents ending 1886 for the thermometers. With the corrected mean reading of the drawn of the drawn of the corrected mean reading of the drawn of the drawn of the reading the corrected mean reading of the drawn of the drawn of the reading of the maximum.	and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet build thermometers by Glaisher's Hygro-	Intercat a source temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1808, and that of horizontal movement of the air from a discussion of the amenometric records for the 16 years ending 1875.	and 25 it ater of th	the surface, at the end of one of the jettles of the Poyegn Cattle Market at Deptord, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.	The numbers in column 23, derived from the Campbell-Stokes Sunsinue Instrument, show the aggreeached duration of bright sunsine on each day. The results of all the intercological observations are to be understood as applying to the civil day, or from midnight to midnight.	The reading of the Bronder-thereased from 22 so in. But he behavior of the week 10 22' 37 in. by 90, A.m. on the 5th; increased to 29' 32 in. by 90, A.m. on the 5th; decreased to 29' 42 in. by 90, A.m. on the 5th; decreased to 29' 44 in. by 80, P. M. on the 8th; decreased to 29' 44 in. by 80, P. M. on the 8th; decreased to 29' 45 in.	Or other
		sneral D	А.М.	SE.	ENE. E. &	-	ENE.	NNE.	NNE.	S. & SPW.	Vari	1	stern plied to ally ta	laily va cords m rs endii	ometer on daily values	ature o wich d	nns 9 a	the surface, at the end of one their readings are registered Corporation of London.	mn 29, 1 of bri 1e met ight to	increa increa	Same 6 4
T and			1	NE. & SE	ENE	SSE.	SSW. & ENE	N. & NNE.	NE. & NNE	స్ట		19	the ci	nean d hic rec ty year	therme e mea daily	Smpers Green discus	e colur the a ters in	ne end are reg	in colu rration all the	the or	Other o
London pupper encourage of the asset officer and govern	di.	Of the Water of the Thames at Deptford.	Low-	53.5	52.4	55.1	55.1	6.79	54.4	54.3	54.5	18	ght of has be	into into into into into into into into	mum). Th	rage to ade at from a	ing the	dings on of I	mbers gate du ults of or fron	amg or ton th	The own
	ATOR	Of the Tat Dep	High-	9.82	53.4	55.6	55.6	55.4	54.8	9.79	2.12	17	he her	verted verted he pho ing th	umn 8	he ave	lower he the	surfac ir read porati	he nu aggre he res il day,	he read Oh. A.M Sh. P.1	Under A
MEMORINA A GREAT MAN	EMPER		Lowest on the Grass.	28.8	35.5	32.1	34.0	32.4	6.44	0.55	36.0	16	COL					the	the the civi	by vo	600
E	T	Of Radiation,	High- est in Sun's Rays.	0.121	127.1	132.2	0.86	85.78	9.09	125.4	1.901	15		morning; generally cloudy after-	and partially	occasional	shortly	noon.			
		Degree of Hu- midity	ration equals 100).	759	200	70	78	93	76	78	os os	14	v2	ly cloud	e and 1		thunder night.	frequent rain till afternoon,	•000		
	neen	nt,	Least.	0.	0.0	₩.0	0.0	0.0	0.0	0.0	₹.0	13	TARK	general	ng; fine	cloudy;	t, with	rain ti	aftern		
	nce bety	the Air Temperature and Dew Point, Temperature,	Great-	19.5	14.6	17.3	14.7	37.80	90	13.4	13.1	12	GENERAL REMARKS	ning;	morning;	partially	ill nigh	equent	frequent rain from afternoon		
	Differe	and J	Mean daily value.	12.1	4.4	0.7	8.9	5.0	1.1	9.9	6.5	F	VERA	early mor	rain in s.		general	ally; fr	uent ra	t night	
-		Of the Dew Point.	Mean daily value.	0. 41.9	47.4	44.5	46.1	0.6	47.0	46.8	46.5	10	GE	j,	t with rerward	generally;	and sho	t generally;	t; freq	rain a	
	100		parture from Average of	0 +	+ 2.1	+ 4.2	67.69	+ 0.4	- 2.1	+ 2.3	+ 2.1	6	Z)	Cloudless wards.	Overcast with rain in cloudy afterwards.	Fine g	Cloudy and showery till night, with thunder shortly before 1h. P.M.; generally cloudless at night.	Overeast	Overcast;	Cloudy; rain at night.	
у Аттър	CALUE		Mean daily value.	0. 12	8.19	54.5	53.5	21.0	48.7	53.4	52.4	00	zon, urs.		. :	15.1	15.1	15.2	15.2	رئ د	- Comments
Han A dragate	EMPER	Of the Air.	Daily Range.	0 26.1	17.4	6.03	18.9	15.5	2.0	15.0	0.41	7	Man Ilor	14.9	12.	12	T.		II II	15.3	-
E	1	70	Low-	0.04	45.6	43.1	8.47	45.1	46.2	47.3	9.55	9,	Registered Sun above Sunshine, Horizon, in hours. in hours.	0.2	10 61	6.1	1.0	0.1	0.0	1.6	-
			High-	. 66.1.	0.89	0.79	63.7	9.09	2.12	62.3	9.19	15		811	in ter-	N. in aiter-	•	•	vith P.M.	•	
BARO.	METER.	Mean daily reading	rected and re- duced to 32° Fahren- heit).	in. 29.463		29.494	29.444	20.455	29.324	20.302	29.415	4	ELECTRICITY. or explanation of mbols, see Note.	n morni	nd w. N	dw. N.	erally	•	nerally, t		
-		Phases r		Full. 2		. 01		Greatest Dec. S. 2		•	61	60	ELECTRICITY. (For explantion of symbols, see Note.)	m. P. in morning w. P. alterwards.	w. P. and w. N. in morning; v. P. after-wards.	v. P. and w. N. morning; w. P. a	w. P. generally	W. P.	w. P. generally, with m. N. between lh. P.M, and, 44, P.M.	w.P.	
-				-91		9	10	8 2 2 2 3	6	10	•				2 4 11	9 4 10	Į.a		9 2	10	
		1890.	Month and Day.	MAY.	Mon.	TUES	WED	THURS.	FRI	SAT	MEANS	No. of Col.	DATE. MAX.	SUNDAY .	Monday .	TUESDAY .	EDNESDAY	THURSDAY.	FRIDAY .	SATURDAY.	

OFFICIAL COPY.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 20. 1890. Vol. LI.]

WEEK ENDING SATURDAY, MAY 17.

Price 11d.

General Register Office, Somerset House, 19th May, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT Towns of England and Wales corresponded to an annual rate of 19.9 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

7.7	, V	Veeks	ending	200		Week	s ending
Towns.	Apr. 26.	May 3.	May 10.	May 17.	Towns.	Apr. May 3.	May May 10. 17.
Birkenhead	17.9 1	19.4	15.4	11.9	Liverpool	21.9 23.6	20.2 23.5
Birmingham	16.5 1	16.1	20.0	19.9	London	18.5 18.1	17.3 17.3
Blackburn -	25.3 2	21.9	17.3	22.8	Manchester -		31.3 35.0
Bolton -	23.9 3	36.0	32.4	32.4	Newcastle-on-Tyne		
Bradford -	$ 22 \cdot 3 2$	22.8	20.4	22.5	Norwich	19.1 24.6	17.5 20.2
Brighton -	16.0 1	15.6	15.2	13.1	Nottingham -		16.6 15.5
Bristol -	20.0 2	20.9	14.4	19.1	Oldham		21.0 18.5
Cardiff -	24.5 1				Plymouth		20.5 17.2
Derby -	24.8 2	27.9	27.4	24.3	Portsmouth -		15.7 16.0
Halifax -	24.8 1	5.9	25.4	17.8	Preston	$ 25 \cdot 3 24 \cdot 8$	20.3 22.3
Huddersfield	17.1 2	21.6	10.5	16.0	Salford	27.1 25.8	22.8 20.9
Hull	18.0 2	21.0	17.6	17.6	Sheffield	29.1 29.6	26.2 26.8
Leeds -	22.8 2	21.5	22.8	23.5	Sunderland -	$ 22 \cdot 9 27 \cdot 1$	21.4 28.6
Leicester -	17.9 1	6.9	12.2	16.9	Wolverhampton -	20.0 20.6	13.8 16.9

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·3 in Wolverhampton and in Cardiff, 2·3 in Birmingham, and 7·8 in Derby; from scarlet fever, 1·0 in Manchester, 1·1 in Oldham, 1·5 in Sunderland, and 2·3 in Bolton; from whooping-cough, 1·0 in London, 1·3 in Cardiff, 1·5 in Liverpool, and 1·6 in Derby; and from fever, 1·1 in Norwich. The 38 deaths from diphtheria included 21 in London, 8 in Salford, 3 in Manchester, and 2 in Liverpool. No death from small-pox was recorded in any of the twenty-eight towns.

LONDON.

In London 2468 births and 1466 deaths were registered. Allowing for increase of population, the births were 232, and the deaths 109, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the five preceding weeks from 19·1 to 17·3, was again 17·3 last week. During the first seven weeks of the current quarter the death-rate averaged 18·0 per 1000, this rate being 1·7 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

the mean rate in the corresponding periods of the ten years 1880-89.

The 1466 deaths included 70 from measles, 17 from scarlet fever, 21 from diphtheria, 88 from whooping-cough, 8 from enteric fever, 2 from ill-defined forms of continued fever, 17 from diarrhea and dysentery, and not one from small-

62359.-7. 635.-5/90. Wt.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the lest intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrastworthy.

pox, typhus, or cholera; thus, 223 deaths were referred to these diseases, being

7 above the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 20; three cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had ranged between 61 and 67 in the four preceding weeks, rose last week to 70, exceeding the corrected average by 7; 7 belonged to Kensington, 8 to Marylebone, 7 to Islington, 4 to Bermondsey, 4 to Lambeth, and 5 to Greenwich sanitary areas. The fatal cases of scarlet fever, which had declined in the three previous weeks from 17 to 12, increased again last week to 17, being, however, 5 below the corrected average; 4 belonged to Hackney and 2 to Bermondsey sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1102 scarlet-fever patients at the end of last week, against 1102 and 1087 in the two previous weeks; 131 cases were admitted to these hospitals during the week, against 95 and 131 in the two preceding weeks. The deaths from diphtheria, which had been 18 and 25 in the two preceding weeks, declined again last week to 21, exceeding the corrected average by 6; 4 belonged to Pancras, 2 to Shoreditch, 4 to Bethnal Green, and 3 to Poplar sanitary areas. The 88 deaths from whooping-cough were 11 fewer than the number in the previous week, but exceeded the corrected average by 21; 7 belonged to Islington, 8 to Hackney, 4 to Holborn, 6 to Shoreditch, 5 to Whitechapel, 4 to St. George-in-the-East, 4 to Mile End Old Town, 5 to Lambeth, and 6 to Wandsworth sanitary areas. The deaths from diarrhæa, which had been 21 and 11 in the two previous weeks, increased again last week to 17, exceeding the corrected average by [3; 13 were of infants under one year of age.

The deaths referred to enteric fever, which had been 6 and 3 in the two preceding weeks, increased again last week to 8, but were 3 below the corrected average; 4 belonged to the South group of sanitary areas. The Metropolitan Asylum Hospitals contained 60 cases of enteric fever, and 2 of typhus, on Saturday last; 3 cases of enteric fever were admitted during the week, against 5

in each of the two preceding weeks.

Two deaths were attributed primarily to influenza, the numbers so returned in

the three previous weeks having been 6, 2, and 3.

The deaths referred to diseases of the respiratory organs were 300, showing a further slight decline from the numbers in recent weeks, and corresponding with

the corrected average.

Different forms of violence caused 45 deaths, concerning all but 1 of which inquests were held. Of these 45 deaths, 5 were cases of suicide, and 3 of murder or manslaughter, while the remaining 37 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 3 by burns or scalds, 6 by drowning, and 14 (of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3283 births and 1823 deaths were registered, corresponding to annual rates of 29·7 and 16·5 per 1000 of the estimated population. In the Outer Ring 23 deaths were referred to whooping-cough, 21 to measles, and 8 to diphtheria. Of the deaths from whooping-cough, 4 occurred in West Ham, 3 in Walthamstow, and 3 in Tottenham sub-districts. The deaths from measles included 8 in Tottenham and 3 in Staines sub-districts. Two deaths from diphtheria were registered in Isleworth sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29·58 ins.; the lowest reading was 29·30 ins. at the beginning of the week, and the highest 29·94 ins. on Thursday morning. The mean temperature of the air was 55°·3, and 2°·8 above the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average throughout the week, the excess on Monday amounting to 5°·0 and on Friday to 4°·9. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 11·6 miles per hour, which was 1·2 miles above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0·56 of an inch. The duration of registered bright sunshine in the week was 54·0 hours, against 54·2 hours at Glynde Place, Lewes.

				,	_		_							_		_					0.														-
	S. B. B. A.	AND	BOROUGHS,	Cols.	- 28 TOWNS.	LOWDON.	BRIGHTON.	FORTSMOUTH.	PLYMOTTH.	BRISTOL.	WOLVEBHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURK.	PRESTON.	HALIFAX.	Reangon	LEEDS.	SHEFFIRED.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.		EDINBURGH.	GLASGOW.	DUBLIE.
	ALL.	-19	In Cent	24.	1.65	1.42	1.04	8 1	0.13	16.0	1.57	1	1	26.3	1	ı	1.05	1	,	1	1	ı	2		4.10	2 1	,	86.1		1	1		2.90	4.37	200
	PAINFALL	9	səqoul ul-	23.	0.65	92.0	0.41		0.02	98.0	09.0	1	1	1.16	1	1	0.40	1	1	•	1	1	1		1.65		1	84.0	-	1	ı	- -	******	1.72	
AIR.	900		Centigrade	22.	11.22	\$6.71	12.89		18.83	22.01	00.01	1	1	68.01	1		19.01	ı		1	1	1	ı		66.01		1	0.56		1	4	2 -		11.22	
TEMPERATURE OF THE AIR.	Ma	3 1	iednerds'4	21.	52.2 1	55.3 1	55.2 1	8 1	54.2		0.09	1	1	9.19	1		2.19	1		1	1	ı	1	1 1	E0.4 10		1	51.0 10		1	1	1			77
ATUBE	-	Vest.	heit Lor	20.	40.0	42.3	6.9	1 1	46.8		9.04	1		40.2	1	1	44.1	1		1	1	1	1	1 1	40.0			40.0		1	ı			2.2	3
EMPER	-4	so dg	Fahrenheit	19.	4 6.14	71.9 4	69.0				4 0.99		ı	66.6	1	1	62.9	1		1	-		1	1 1	80.0			3.0 46	1		-			95.19	=
Kate 7	e the	in a	From Diseases Cols. 6-12	18.	2.2		_	0.1			9 6.1	3.7	2.0		8.0			2/3	8.8	00		00 0	0 5	9.0	1.9	-	9 65		3.1	.3	10	- -	10 1	3.5	, 0
Annual per 10	to the	40 -	A mory sasses	17.	6.61		13.1	16.0			6.91	6.61						4 720		_			27.77		10	10					2.6	- -		23.7	
-	· qqu	1 1) 68	o sasuso	16.	79 1	16 1	,	1 6	1 7	-	-		67	-	20 1			ر ا		2	-	1			66		1 00	-	-	67		- -		03 ;	
			Death du'A utiten!	15.	713 7	376 1	00 0	0 9	63	16	10		10	۳.	Lo .		_	48		17	2	-		0 0	74							- -		27 1	=
			tsenpul	14.	256	66	c	o 60	, H	9	00	15	ಾ	-4	භ (63 6	91	P7	23	ေ	c ₁	e3 (2/3	1	· ·	# 4	1 1	• 6		000	, e5	-	gha (٥. ،	47
lude		٠	Violence	13.	111	45			-	63	e.1	6	-	ı	03	r ;	15	1	00	-			-		0	3 01	3 10	· -	1 07	্ ব		-	67	11 ,	0
The DEATHS registered in the Week include	ı		Distrbo	12.	22	17	m	1 1	1	67	1	e3	0.1	6.1	1	1	c.1	ı	9	-	ı	e2 1	23	1 1	q	7 0	D 1		07)	67		(3)	4 (×
the We			Eerer.	11.	44	10	1 0	81 6V	1 1	63	1	9	1	-	1 :		6.3	1	9	1	å		- ,	4 1	-	4 M	٠, د	1 1	1	-			1	, ·	4
red in	from	-21	Mhoopir.	10.	150	88	,1 p		-	ಿ	-	භ	2		က		138	-	4	େ		1 1	٠, -	- 's		ų.	20	٦ -	4	. 6	1 33		4	00	27
egiater	Deaths from	.siz	Diphthen	9.	38	21	1 ,	- I	1	1	1	1	1	1	ŧ	1	6 3	-	ಣ	00	1	1	ı	t 1		4		1		-	(į		1	-	ı
ATES 1			Searlet. Fever.	80	22	17	1	1 1	1	1	1	-	1	-	E	1	ေ	io.	L.	-	က	6.1	ı	1 1	c	31 C	э ы	ا د	1 7	B	-		1	C7 1	1
he DE	ı		Messies		130	20	1	1 1	-	ı	63	20	1	-	15	ā	6	1	63	7	1	1	1	-	· -	-		F I	1		ಣ		4	20	က
-		,XC	Small-po	6.	1	1	1	1 1	1	1	1	1	•	1	1			1	1	1	1	1	1	1 1		1	1	1 1			1		2	1	8
	hs of	87	s enosted 189Y 08 swqu bns	5.	800	320	12	21 -	20	24	10	65	13	18	2	ಣ	40	17	54	16	14	6	6	ට ර	9	23	45	0.1	14	66	1 10		19	36	33
	Deaths	1950	In sants ul I Yesr o Ses.	4	811	839	eo 1			13	2	45	12	19	11		75	6	49	22	11	12	12	10 10	o 1	11	2 00	77	10	16	10		12	44	35
during	gaipae	7850.	EATHS.	۵.	3704	1466	31	44 8.7	26	200	27	176	20	73	47	24	276	7.5	255	26	53	54	45	63 &		104	107	717	1 10	2 5	43	ı	83	241	152
Registered during	the Week ending	lith May, 1850.	BIRTHS, DEATHS.	2.	5646	2468	51	00 00 00 00	42	141	40	206	85	111	55	64	358	54	264	144	700	71	E	89	2 7	101	1601	120	000	1961	7.0		152	193	163
H	Z		the Year 1890.*	1.	9,715,559	4,421,661	123,659	142,952	25,352	232,248	83,406	461,865	154,344	244,909	100,871	105,049	618,463	115,816	879,487	242,509	146,716	123,558	105,163	94,253	R 200/20	240,015	990 094	619 629	126 506	169 987	117,012		271,185	£30,208	252,082
		CITIES	вополеня.	Cols.	28 TOWNS	MOUNCI	BRIGHTON	H	NORWICE .	PLYMOUTH .	WOLVERHAMPTON	RIPMINGHAM .	LEICESTER -	Notingham .	DERBY	BIRKENHEAD .	LIVERPOOL	BOLTON	MARCHESTER .	SALFORD .	OLDHAM .	BLACKBURN	PRESTON .	HUDDERSFIELD .		9	LEEDS .	The Parking of the Pa	RELAND	Newcastle .	CARDIFF		EDINBURGH	GLASGOW .	DUBLIN
1				1	1	-	P	7	A S	4 ~	F	2	1 -	Z	A	B	1	B	-	02	0	A	4	لم يسر	4 8	4 1	4 0	12 P	4 0.	4 1	10		-	0	7

Table 2. LONDON.—Births and Deaths Registered in the Twentieth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weokly Average in 10 Years 1880-89.**	1890
Total Births Males Females .	2296	2463	2462	2407	2556	2391	2690	2483	2364	2648	2700·0	2468
	1195	1285	1233	1211	1279	1222	1340	1242	1256	1358	1376·3	1283
	1101	1178	1229	1196	1277	1169	1350	1241	1108	1290	1323·7	1185
TOTAL Deaths Males Females .	1297	1488	1419	1530	1536	1554	1379	1536	1469	1231	1574·5	1466
	653	749	710	793	801	811	706	819	754	631	809·9	762
	644	739	709	787	735	743	673	717	715	600	764·6	704

^{*} The numbers in this column are the average weekly numbers in the twentieth weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

Feb. Mar. Mar. Mar. Mar. Mar. Apr. Apr. Apr. Apr. Apr. May May 10. Total Births - 2702 2561 2536 2717 2534 2543 2329 2360 2935 2538 2613 2308 Total Deaths - 1847 1802 1889 1771 1637 1571 1419 1619 1611 1567 1533 1469	May 17.
Total Deaths 1847 1802 1889 1771 1637 1571 1419 1619 1611 1567 1533 1469	2468
(0-20 years - 753 739 798 776 729 743 657 774 782 742 721 712	
0-20 years	1466
Ages at Death 20-40 ,, - 256 234 226 196 193 204 183 204 177 197 210 170	707 178 261 257 63
** \begin{array}{c c c c c c c c c c c c c c c c c c c	339 266 102
Deaths from Small-pox	70 17 21 88
", Enteric fever 8 7 4 3 7 7 2 4 8 6 6 3 SimpleContafever 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 2 17
", Cholera	223
", Dis. of Respira- tory System 452 492 510 447 381 375 296 384 380 345 326 301	300
", Phthisis 218 224 206 164 169 154 180 174 189 154 143 189 189 162 146 163 145 148 120 114 151 133 119 140 182	154 124
Violent Deaths - - 77 52 65 76 49 61 36 60 41 61 61 62 Inquest Cases - - 143 134 120 162 115 117 85 133 105 125 124 134 Deaths in Public Institutions 434 425 406 390 406 277 362 382 338 374 342 326	45 99 376
Temperature of the Air 190 43 45 45 45 48 49 48 48 48 49 48 48	55·3 67·4 45·6
Humidity of the Air 89 87 69 79 82 84 72 72 81 82 67 80 fain-fall in inches 0.04 0.22 0.33 0.24 0.81 0.41 0.00 0.29 0.38 1.00 0.07 0.56	69 0·56
Registered Sunshine (in hours) 12.4 9.7 12.1 28.1 21.5 14.6 59.8 22.0 27.0 15.9 63.9 14.2	54.0

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., Ll.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverbampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingha: a. J. Harmup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.K.McLSco., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunacrlaud; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON. -- DEATHS Registered at several groups of Ages from different Causes in the Twentieth Week of the Year 1890.

ALL CAUSES - 1574'5 1400 330 200 102 178 201 275 5			7			T	VEN	FIE	TH	We	ek of the Year 1890.									
CAUSES OF DEATH. Comparison of the Activity		r the years		In	the	Wee, 17	h en	ding ay 18	390.			r the years								
ALL CAUSES - 1574*5 1400 330 200 102 178 201 276 5 Bindl: {Vaccinated 1 1024 1024 1025		20	17	De				as of				ges fo		De	aths tl	of P	erso:	ns of		
ALL CAUSES - 1574*5 1400 330 200 102 178 201 276 5 Bindl: {Vaccinated 1 1024 1024 1025	CAUSES OF DEATH.	Averages of the 1880-89	σž					der 60.	er	and 8.	CAUSES OF DEATH.	Avera ks of th 1880-89	ug.	τ						
All CAUSES - 1074 * 5 36 30 30 300		rrected th Wee		1.	.5.	.20.	and	and	and un	~ .		rrected th Wee		1.	.5.	.20.	and un		and un	Years
Small	To be a district.	ರಿಷ	Ā	0	-	10	63	9.	9	30	there's a great	ರಿಷ	4	0	4	20	20	40	90	30
Small	ALL CAUSES	1574.5	1466	339	266	102	178	261	257	63	Diseases of Organs of Special Sense † }	2.0	4	1	-	1	1	-	1	-
Mastes	Small- Unvaccinated	}19·8		-1		-	-	-/	-		Diseases of Circulatory	105.3	124	1	-	6	19	45	46	7
Search Fover		63.1	70	12	51	7		-											_	
Eleganing Feee †		- 4	17	-			-	-	-	-	Croup		150	34	36	~				10
Endemonia Fever	Typhus	33		-	Ţ,	-	-	-		-	Pueumonia	92°5 6′8		28	86	5			18	1
Washington 1672	Relapsing Fever †		- 0	-	186		-]				Other Diseases of Respi- \	1. /	,	4	4	-	-		1	1
Distriction Distriction				41	47		-	- 1	2		zatory bystem)									_
Sample Continued and 20 2 2 2 3 4 4 1 11 6 8 5 5 5 5 5 5 5 5 5		: :	_	100		7		1	-	-	Dentition +		10	4				-	-	-
Cher Choice Cho		4 5		_		1	1			-	Enteritis	6.7	8	3			2	ĩ	-	-
Cher Choice Cho	Ill-defined Fever -5		_			F	-}	-			Peritonitis	8.0	6	-	-	2	2	7	8	2
Diseases of Lymphatic Dise			_	-	-	-	. 1	- 1		-	Other Diseases of					3		_		1
Remittent Forer			17	13	-	-	- 1	- 1	1	_							_	-		
Hydrophobia	Remittent Fevert	0.4	1	-	-		-		1	_	Diseases of Lymphatic)	1.								
Comport and Effects of Yaccination 0°1	Hydrophobia		~.	-	-	-	-			- 1	Glands †	2.1	5		1	L	1	2	-	-
Vanceral Affections	Glanders	15			-	-	-	7	,***	-										
Vanceral Affections	Vaccination † -	0.1	-		-	-	-	-	-	-	Diseases of Urinary	39.6	41	1	-	-	8	17	13	2
Preside and Septicemia 3°6 4		9.1	10		-	1	-	2	1		13/20011)	-				-	-	_	_	
Purperset Fever	Erysipelas		3	1	-	-	-	2	-	-	Disassas of Consessive)						٠			
Other Zymotic Diseases 2.7							- 1	-	-		System [1				-				-
Diseases of Locomotive 8.5 9 - 4 5		7.5	4			1	3	- 1	-	-	Accidents of Childbirth -	3.9	-			-				
Thrush -	Other Zymotic Diseases 1						-				Diseases of Locomotive	0.2	e l	v			K			
Starvation, Want of 1'1	Thrush / -	1.4	1.	1	-	: 4	;	-	_	_	System +}					**		-		-
Starvation Want of Breast-milk f 3		0.3		-		_		_	_		Diseases of Interumen-1									
Breast-milk †	Sitieal Diseases j							-			tary System}	5.2	4	1	-	1	1	-	1	-
Breast-milk †	Starvation, Want of)	212					1									colonge				
Alcoholism — — — — — — — — — — — — — — — — — — —	Breast-milk † 5				-		-	- 7			VIOLENT DEATHS.		1000							
Rheumatice Fever, Rheumatice Fever, Rheumatism of Heart 7.9 7 - 2 2 1 2 2	Alcoholism	13.0	-		-		1	2	1	1			C THE STATE OF THE							
Rheumatism f	Rheumatism of Heart !		7	-	1.1	2	2	1	2	1	Fracture and Contusion Gunshot Wound	0.5	12		-	-	4		-	-
Rickets † 4'3 6 1 5				-	-	-	-	_	2	-	Burn and Scald	6'3	3	-			-			
Rickets		1 3	_		~	-	-	1	7	-	Drowning	7.7		-	1	2.	ĩ	2	-	9 1
Tabes Mesentarica		1)		1				-	7.0		Suffocation	11.7		14	-		-	1	-	-
Tubercular Meniagitis - 33°3 30 8 16 5 - 1 - 1		1 1		12				_	16					_	_	-	-		-	
Phthisis 1872 154 1 - 16 76 50 10 1 Serofula, Tuberoulosis - 189 11 3 2 3 3 1 Serofula, Tuberoulosis - 189 11 3 2 3 3 3 1 Serofula, Tuberoulosis - 189 11 3 2 3 3 3 1 Serofula, Tuberoulosis - 189 11 5 12 - 1 1 - 6 4 - Serofula, Tuberoulosis - 189 11 5 12 - 1 1 - 6 4 - Serofula, Tuberoulosis - 189 11 5 2 5 1 1 - 2 14 32 3 Serofula Malformations 18		9 9						_			(Homicide.)									
Other Constitutional Diseases † 11.5 12 4 1 1 6 4 - (SUICIDE.) Gunshot Wound - 1.0 - - 1.0 - - - - - - - - -		187'2	154		les.		76	_	10	1		1.9	8	2	-	-	-	-	1	
Diseases 11		18.9	11	3	2	3	3	-	-				1-	-	-	-		-	_	
Fremature Birth - 40°6 47 47 - - - - 1°6 1°6 - - - - 1°6	Other Constitutional Diseases † }	11.2	12		1	1	-	6	4		Gunshot Wound		-	-	-	-	-	-	-	
Atelectasis + 2'4 6 6	Premature Birth	40°6	47	47	and a	-	_	_	_		Cut, Stab	1'4	-	-	-	-			1	-
Concenital Malforma- tions		3			-	-	-	4.	-	-	Drowning	1.0	1 3				1	ī	ī	-
Apoplexy 42'7 52 - 1 - 2 14 32 3 (Execution.) Apoplexy 9'5 1 1 1	Congenital Malforma-)	7.6	6	6	_	-		_	-	-		1.1		-	-	-			=	-
Apoplexy 42'7 52 - 1 - 2 14 33 3 Hanging 0'0 Epilepsy 9'5 1 1 1									10	94		-	-	-	-			-	-	-
Apoplexy 42.7 52 - 1 - 2 14 32 3 Hanging 0.0		200	-14	-	-	-	-		10		(EXECUTION.)								-	
Convulsions 43.9 40 33 7 1	Apoplexy	42.7	52	-	1	-	2	14	82	3	1	0.0	-	-	-	-	-		-	-
				-		-			-	-		-	-	-	-	-	-		-	-
			40	32	7	1	-	-	-		OTHER CAUSES + -	53*3	33	28	1	-	-		2	2
Other Diseases of Brain 393 2 89 16 11 10 5 14 19 5 OTHER CAUSES 7 - 53 3 3 2 2 2 2 2	and Nervous System	93'2	89	16	11	10	5	14	19	5	JIHE OROBB 1									
A Company of the second of the				_	1		1		-	-			-		-	,	1	-	-	-

The numbers in this column are the average weekly Deaths for the ten years 1889-89, raised by 9°046 per cent for increase of population. As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not book yearchated, or when the cause of death is not corrided by a registered actioner, the case is returned under the heading "no statement."

The evidence at inquests is often magnitum to enable the Coroner to certify whether a violent death be the result of accident, murder, a slaughter, or suicide. All such eases are classed under "accident or negligence."

Table 5. LONDON. -FOPULATION; BIRTHS; DEATHS from ALL CAUSES, and from Small-pox, Measles, Scart during the Week endi

	M 5. HOMBON FOR OBALLO	,				1								duri	ng t	he V	Veek	endi
								The	DEA	THS P	egiste	red i	n the	Wee	kine	lude		
		Enume-	,		Deat	hs of					Deat	ns fro	m			· .		1
	REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total BIRTH?.	Total DEATER.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric or Typhoid) Fever.	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.
	LONDON	3,815,704	2468	1466	339	320	-	70	17	21	88	_	8	2	17	45	99	376
	WEST DISTRICTS - NORTH DISTRICTS - CENTRAL DISTRICTS - EAST DISTRICTS - METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON - WEST DISTRICTS -	669,638 905,947 282,238 692,738 1,265,148	400 566 162 458 882	254 303 107 318 484	49 70 28 79 113	65 68 16 62 109	-	18 21 2 9 20 -	3 7 - 1 6	1 9 3 6 2 -	13 17 8 24 26		1 1 2 - 4	1	3 2 3 7 7	8 8 3 15 11	15 13 10 33 28	73 71 36 106 90
St.	WEST DISTRICTS. Mary Paddington WHH G.J. &W.M. John Paddington H - G.J.	69888 87880 120141	60 8 68	26 11 54	7	3 4 12	- -	3 - 7	-		1 - 2	-	- 1	Ī	1 -	2 - 3	1 5	3 6 16
St. St.	ompton H - W.M. & C. Peter Hammersmith - W.M. & G. Paul Hammersmith H W.M. & G.	48010 7599 64340 42900	17 8 52 61	11 3 22 23	1 8 4	6 1 5 2		1 2	1 2		1 2 2	-	-		- 1 1	1	1 2	2 1 10
Che	elsea South HHH - C. C. elsea North-west WHHHHH- C. C. elsea North-east	30396 24925 32807	18 16 24	11 14 8 16	5 2 1	5 4 - 7		1 2 -	-	- 1 - 1	2	-		-	1111	1 1 1	2 1 1	7 - 13
Bel St. St.	y Fair WW G.J. gravo WHHHH C. John Westminster HHH - C. Margarei Westminster HHH - C. James Westminster WHH N.R. & G.J. Anne Soho HHHHHHHH - N.R.	30353 59220 35496 24679 29941 16608	3 23 17 8 9	15 10 11 5 9	3 1 2 -	6 2 4 3 1		1	11111	1 -	1 2 -		11.11	-	1 (() 1	1	1	5 - 6 2 2
Rev. St. Chi	NORTH DISTRICTS. (Souls Marylebone HHHHHH W.M. white Square HHHHH - W.M. white Square HHHH - W.M. G.J. & W.M. Mary Marylebn HHH G.J. & W.M. ristchurch Marylebn HH - W.M. John Marylebons H - W.M.	26759 14891 24809 21118 33700 83633 45452	17 2 9 36 18 16 25	10 5 7 9 13 14 10	3 1 1 6 3 4	1 2 1 4 4 4 3	111111	1 3 3 1	1	1		11111111		1111	1111111	1.111111	1	5 - 3 3 2
Re Tol Gra Soi Ca: Ke	mpstead $WwWHHHH$ N.R.&W.M. gent's Park Pancras H - W.M. ttenham-court $wHHHH$ N.R.&W.M. M.y's Inn Lane HHH - N.R. mers Town H - N.R. method Town WH - N.R. ntish Town W - N.R.	89115 27729 30247 84369 17311 87487	12 17 18 19 6 50	8 7 5 10 15 25 27	2 - 1 2 3 2 4	1 1 8 9 8		1 2 -	1	2 1 - 1	- 1	111,111	11111	71111	1	2	1 - 2	4 - 1 14 10
Isli Isli Hi	per Holloway $WWwH$ - N.R. ington South-west HH - N.R. ington South-east - N.R. ghbury H - N.R. oke Newington H - N.R.	67946 100976 61895 52048 22781	66 40 32 14	25 20 8 7	10 6 3	38		5 1 -	1	11111	1 5 1 1		- 1	11.11		2	2 -	11 -
Sta We Ha	est Hackney H E.L. est Hackney H N.R. etkney WuwwH - E.L.&N.R. uth Hackney E.L.	9277 87610 76911 39883	7 24 55 26	5 20 42 11	18882	3 14 2		1 2 -	3 1	3 -	3 4	1111	1 1 1	1111	1	2 -	1 4 1	2 16
St. St. St.	CENTRAL DISTRICTS. George Bloomsbury - N.R., Giles South WH - N.R., Giles North - N.R., Martin-in-the-Fields HH N R. & C., Mary-le-Strand H - N.R., Clement Dance H - N.R., and Union Workhouse, Edmonton w.	16681 14864 13837 17508 7515 8559	11 17 9 3 4 4	1 9 3 6 1 4	31 - 1	2 1 1	111 111	1111111	1111111	111 111	111 111	1111111	111	111 111	111111	111111	1	3 - 3 -
St. St. Sa. St. An Pe Go	Geo_the-Martyr HHHHHHH N.R. Andrew Eastern W N.R. Rfon Hill R N.R. James Clerkenwell N.R. N.B. 18671 10706 6538 17516 19281 14773 17506	14 4 - 9 12 15 9 10 19	8 3 2 7 5 5 6 4 10	2 1 1 2 1 3 - 2 2	1 1 2 - 1 1	11111111	1	111111111		1 - 2 - 2 1	11/11/11/11			1		2 - 3 - 1	6 1 4	
Fi H St Cr St St Al	hiteorous-street - N.R. nabury - N.E. olborn Union Workhouse, Mitcham, w. Botolph H - N.K.&E.L. ipplegate - N.K. Sepulchre H - N.E. Bride W - N.E. hallows Barking - N.E. hallows Barking - N.K.	7468 - 11174 7193 5358 8396	53-5324-	1 3 1 4 1 16 2 4 1	1 2 1 2 3 -	1 5	111111111	111111111111	11111111111	2	1 - 1	111111	11111111			1 1 1		1511

Note.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Wo. house; H-Hospital; L-Lunatic Asylum; L*E-Private Lunatic Asylum in; which papers, are received; w-Workhouse Establishm receiving immates from other Districts than that in which it stands, (see note at the toot of next paxe). The Komau capitals signify the Wo. Companies which supply the different sub-districts:—G. J. signifies Grand Jucction Company; W. M. West Middlesex; C. Cheitser; S. Brathwand Vanahall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

B. DIPPTHERIA, WHOOPING-COUGH, FEVER, DIARRICEA, VIOLENCE, &c., registered in each Sub-district

		-					The	DEAT	THS T	ogisto	red ir	the	Week	r inch	ade			
	Enume-			Deat	hs of				I	eaths	from						1	
REGISTRATION QUE-DISTRICTS.	rated Popu- lation, 1881.	Total Births.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrhea.	Violence.	Laquest Cuses.	Deaths in Fublic institutions.	Uncertified Causes of Death.
EAST DISTRICTS. th South HL* - N.R. New Town w - N.R. Old Town - N.R. Ston WH - N.R. & E.L.	22343 29987 28086 46275	16 22 19 28	10 16 17 84	4 4 3 6	2 3 8 8	1111	1 - 2	ı'ı'ı	ī,	1 1 2 2	1111	1111	- 1	1111	1	1 2	3 2 -	1111
Green North H - E.L. Green South - E.L. Green East WHL* - E.L.	51157 34399 41405	, 25 25 30	19 5 28	8 1 2	3 1 7	1.1.1	1 -	-	1			7	111		1	1	1 12	1.1.1
d New Town W - E.L. & N.R. hapel Church H E.L. & N.R. E.L. & N.R. & E.L. & N.R. & E.L.	22585 15473 17490 9718 6102	19 18 8 2 8	8 10 26 - 6	3 - 1	1 2 1	11111	1 -		-	1 1 3	11111	Likti	1111	1111	- 5	1 6 - 1	7 23 -	11811
rge's, North E.L. n, St. George East W - E.L.	88747 8410 10395	26 3 4	11 11 8	7 2 3	1 2 1	117 1	1	1	-	3 -	-	-	1 1 1	-	1	ī	7	
H E.L. N.R E.L.	16107 32041 37960	11 18 29	5 7 6	4 3	1 3	1.1 1	1,1	-		1	-	- 1		ī -	-		7 1	
and Old Town West H - E.L. and Old Town East $WwwH$ - E.L E.L. $WwWH$ E.L. WWH E.L.	67653 37074 64359 55077	49 25 42 31	20 14 40 22	7 5 6	5 3 15		- 2	1 11,1	- 3	3 1 - 2	, , , ,	1 1 1		1	1 - 2 3	2 1 7 6	7 2 21 2	1 -
SOUTH DISTRICTS. thurch Southwark WH four Southwark - S. sod - S. & L. th-road WH - S. & L. troad HL - L. & S. Newington - S. & L. ty Newington - L. & S.	18663 14999 21381 15958 21318 26672 59555 21623	7 4 20 10 15 12 34 22	7 4 7 7 8 7 16	2 2 1 4 2 1 3 1	1 2 2 3 2 2	11111111	11111111	1 1 1 1	1111111		1111111		1111117	1111111	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	11111
ve WH S. & L. vr Market S. & L. vr Magdalen W S. nes Bermondsey - S. hithe WH S. & K.	11956 16300 15669 54682 36024	12 7 8 41 22	13 4 5 94 12	2 - 5 2	1 1 4 2	1111	- 1 8 1	- - 1	11111	1	1111	ri i ri	11711	11111	1111	2 1 1 -	9 - 2 - 2	116311
	15195 16361 19876 39859 45232 35832 62837 19017	7 17 11 27 86 12 43 12	7 10 12 32 8 18 20 2	2 2 1 7 1 2 6	1 3 2 11 8 3 6	ni mini	1 2 - 1	Territori		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11141111	1111111	1111111	1	1.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 14	111
attersea 8. Battersea WwH 8. m H 8. worth WHL 8. bam 1.	54675 52587 56380 26004 13235 25553	56 48 13 16 10 21	22 24 10 12 3 11	6 4 3 8 1 4	2 8 1 -2 1 4	111111	1	1		2 1 3 - 2	111111	1117111	11111	1 1	1 -	3 - 3 1 -	5 1 -	11/1/11
ch L. & S. brwell Wol*L* - S. & L. am W S., h., & K. orge Camberwell L. & S.	5590 59104 71089 50810	2 45 68 49	2 22 13 18	3 3 8	9 7 1	1111	2		1 1 1 1	1 2		1 - 1	-	1 -	1	2 -	16 3	1
ul Deptford www K. sholas Deptford K. wich West H K. wich East WHH K.	76752 7901 21972 24603	57 4 8 17	30 6 7 22	12 2 - 3	1 - 2 4	11.1.6	3 2 4	1 :	2 -	-2		2 - 1		1	1 -	3 - 1	12	2
m H K. ham WH K. ham H L.	5048 21559 19865 26076	2 4 13 15	2 3 6 7	1 1 4	2 2 2 1	1 1 1 1		1111	1111	1.	1.1.1.1	1111	3111	1	13.61	1111	2 1	-
on H// K. rich Dockyard K. rich Arsenal HH K. tead, West H K. tead, East W K.	10930 17617 19043 14009 19241	4 7 12 11 21	5 5 9 5 15	- 1 2 2 3	2 2 1 1 2	11111	1 1,1,1 1	1	11111	1 1	11111	1	11111	1111	1	1 2 -	1 - 7	
politan Asylum Hospitals: vriford w inchmore Hill w	: :	-	1	-	-	=	-	1.7 		-	-	-		-	= = = = = = = = = = = = = = = = = = = =	-	-	

following Workhouse Establishments tre indicated in the above Pable of o (see note at foot of pressing page):-

arylebone Infirmary in Kensington Town sub-districts.

arrelabone Infirmary in Kensington Town sub-districts.

antal London Sick Asylum in Tottenham Court sub-districts.

antal London Sick Asylum in Tottenham Court sub-districts.

and City Workhouse

Hasance year-districts.

Hotten Kew Town sub-district.

Historic Kan Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Man Bromey sub-district sub-district and sub-district and in Dartford and Holbert Workhouses cutsuic Beautration London.

Ist April 1800 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South.

Table 6.—LONDON.—OUTER RING. — Area; Population; Births and Deaths registered during Week ending Saturday, 17th May, 1890.

		1		1	W	eek er	iding	Satu	rday,	17th	May	, 1890).	7.1				1
-	Regis-	**************************************	Area	1.5						The D	EATHS	registe	ered in	the V	Veek i	nelude		
	tratión	and the second	in Acres,	Enume-			Dea	ths of				Death	s from					1:01
	District	REGISTRATION	inolu- ding	rated	HS.	LHS	H	60 rds.		1	1	1	ugh.		I		,	blic
1	Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	DEATHS	of Age.	nged	-3		SVOZ.	· 65	Whooping-cough		1		20 8 0 8	Deaths in Public Institutions.
	Num-		and	1881.	B	A	ts u	rs &	Cod-	les.	et F	cheri	ping	.:	hos	nce.	at C	is in
1	bers.		Fore-	1			Infants Year c	Persons Years 8	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Урос	Fever.	Diarrhoss.	Violence,	Inquest Cases.	inst
1						-	-	-	002		30	2	-		-	_	7	A
1	LON	NDON-OUTER RING	370,924	950,957	815	357	81	74	-	21	2	8	23	2		6	14	33
-	30:1	Carshalton wL -	12228	01119	10		1	1	_	_								
1	2	Carshalton wL - Epsom (part of)* WwH	3 3	21118 10710	6	5 3	-	2	-	-		-	-	-	-	-	-	4
1	37:1	Godstone (part of) , -	2754	1235	-	- 1	-	-	- 1	-	-	-	-	-	-	-	-	
1	38:1	Croydon Ww L -	20851	101241	65	33	3	11	-	2	-	1	2	-	-	1	8	4
1	39:1	Mitcham w †	11697	17982	12	8	2 3	2		1	-	-	1					-
1	89:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	10 29	6 7	3 3	1	-	-	-	1 -	1	-	-	-	-	-
1	3	Esher (part of) * -	6601	9221	. 9	- 1	-	-	-	-	-	-	-	-	-	-	-,	-
1	40:1	Hampton H	4573	13539 21302	9	1 5	-	1		-					_	-	1	
-	2	Richmond WH Mortlake	2972 2941	21302 12331	13 6	5 2	1	-	-	-	-	-	-	-	-	-	-	-
1	41:1	Bromley (pt. of) * HH	15669	81142	23	4	1	-	-	-	-	1	1	-	-	-	-	-
	2	Chishrst(pt.of)* WHH	14807	15844	4	4	3	1	-	-	-	-	1	-	-	-	-	-
1	42:1	Bexley H Dartford (Ww, pts. of)*!	18437	24134	20	6		2	-	-	_	_	_	-	-	-		-
1	124:1	Sunbury w	11055	11688	9	2	-	-	-	-	-	-	-	_	-	-	_	-
ı	. 2	Staines W	18277	12089	3	4	1	-	-	3	-	-	-	-	-	-	-	-
-	125:1	Hillingdon WHH -	6029	10802	9		1	1	-	-	-	- 1	-		-	1	2	-
-	8	Uxbridge Hayes wHL	6178 14587	3225 11523	8	2 4	-	1	-	-	-	1	-	-	_	-	-	2
1	126: 1	Isleworth WHH -	7008	22727	9	11	2	2	-	1	-	2	-	-	-	-	-	2
1	2	Twickenham H	2477	12479 27649	14	5	1	-	-	-	-	-	-	-	-	-	1	-
	4	Brentford HL Chiswick	1340	27649 15975	20 12	10	3	6 -	-	1	-	-	3	_	_	-	-	1 -
-	5	Acton wit	6088	22876	13	9	2	1	-	-	-	-	-	-	-	-	-	- 1
	127:1	Harrow H Edgware H	13809 6994	12796 3749	7	4	2	-	-	-	-	-	-	-	-	-	1	1
	8	Willesden	4888	27458	85	9	3	-	-	1	-	-	-	-	-	1	1	-
1	4	Hendon W	8382	10484	10	2	-	1	-	-	-	-	-	-	-	-	-	1
1		Bushey Watford (W, pt. of)* -	9381	6621	6	-	-	-		-	-	-	-		-	-	-	-
1		South Minims	15899	6391	8	2	_	1	-	-	_	-	-	-	_	-	_	-
-	2	Barnet	54 33	10092	4	3	-	-	-		-	-	-	-	-	-	-	1
	- 1	Finchley HL	4638 3806	17615	5	9	2	1		-	-	-	1	-	-	-	-	5
н	129:1	Hatfield (part of) * - Hornsey H	3039	583 37078	80	10	2	4		1					-	1	1	
1	2	Tottenham H	4642	46456	74	89	11	7	-	8	1	-	3		-	1	1	3
1		Edmonton Ww - Enfield WH	7483 12653	23468 19104	17 25	15	4 2	б	-	-	-	-	2	1	-	1	2	4
	- 1	Waltham Abbey	11017	5368	3	6	-	-	-	-	-	-	-		-	-		
		Cheshunt	8490	7785	5	4	2	-	-	-	-	-	-	-	-	-	-	-
1		Stratford West Ham wwH -	882 4055	38606 90347	36 125	18 46	6	4 7		-	1	1	- 4	-	-	-	-	-
	3	East Ham ww	3296	10706	20	6	2	1	-	-	- !	-	1	-	_	-	-	-
-	1	Leyton WwL Walthamstow - H -	4372 6520	32430 28869	48 24	17 11	1 3	5 2	-	2	- 1	- 1	1 3	-	-	-	1	4
1	1	Chigwell (part of) * H	11761	9669	7	1	-	_					3	1				-
1		Epping (W, pt. of)* -	-		-	-	-	-	-	-	-	- 1	-	-	-	-	-	-
		Romford (part of) * W	6730 8493	3411 7645	1	1	-	1	-	-	-	-	-	-		-	-	1
1		Barking Town	4127	9203	9	8 8	1	1		-	-	1 _	_	-	-			-
1																		

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow 20: 2. Epsom sub-district, except the parishes of Ashatead and Headley (pop. 1255); 37:1, the parishes of Warlingham and Farley in Godstone: district; 38: 3. Esher sub-district, except the parish of Esher (pop. 1293); 41: 1. Bromay sub-district, except the parish of Cadham Knockholt (pop. 1818); 41: 2. Chisienters sub-district, except the parish of Chelsfield (pop. 947): 135: 1, the parish of Northaw in Hatishb-district; 187: 1, Chiswell sub-district, except the parish of Theydon Bois (pop. 1875: 188: 1, the parish of Daganham in Romford sub-district also cleaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 1 7: 2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

‡ Exclusive of deaths of London residents in Astropolitan Astron. In Strand Union Workhouse and in Metropolitan Astron.

Metropolitan Asylum Hospital (see Table 5). § Exclusive of deaths of London residents in Strand Union Workhouse and in Metropoli Asylum Hospital, Winchmore Hill (see Table 5).

[[] On 1st Jayuary, the two parishes of East Ham and Little Heard were separated from the registration sub-district of West Ham, and we constituted the registration sub-district of East Ham.

Rate of Mortality during the Week ending Saturday, 17th May, 1890.

			Annua	L RATE			The Da	ATH	regi	stere	d in	the W	esk i	includ	le	
ONE A TIPE	Area in Acres.	Estimated		O living.	DEATHS	Deat	ths of				Deat	hs fro	m			ublic
GREATER LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fevers	Diarrhoss.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
TER LONDON	448,334	5,758,500	16.5	2.2	1823	420	394	-	91	19	29	111	12	17	51	409
TER RING -	77,410 370,924	4,421,661 1,336,839	17°3 13°9	2.6	1466 357	339 81	320 74		70 21	17 2	21 8	. 88 23	10	17	45	376 33

rn.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8.—BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,051 Persons.

					A	DE	ATHS	FROM	PRING DISEAS	ES.	ZYMO	i
DITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS. of Stillborn.	ANNUAL DEATH- RATH per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
DUTTA	483,219	April 5	<u></u>			-	_	-	-		ais 1	-
BAY	773,196	29	213	377	21.1	4	7	3	2 .	3.	127	28
BAS	898,777	,, 4		dara .			-,		~			-
18	2,260,945	May 10	1218	1076	24.8	3	30	5	43*	9	16	79
GBELS	477,288	. , 10	250	177	19.5	1	- 2	1	_	~		15
8 Faubourgs.)												
TERDAM -	406,302	,, 10	266	180	23.0	-	2	out.	-	. 5	3	1
TERDAM -	203,486	,, 10	125	78	19.9		***		-	77	7 844	
HAGUE -	156,497	, 10	104	47	15.6	-	-	***		~		-
ENHAGEN -	312,387	,, 10	212	, 138	23*0	-	4	3	6	4	₩	11
KHOLM -	236,350	,, ' ' S	129	100	22.0	-		6	1	1	1	8
ISTIANIA -	143,300	,, 10	64	56	20.3	-		-	5	544	-	3
ETERSBURG	924,466	April 26	11,-1	572	32*3	2	16	27-	13	3	6	43
TIM	1,526,887	" 26	871	611	20.7		11	11	38	15	2	47
IBURG(State)	575,276	May 3	412	291	25.6	-	1	1	17*	2	.2	29
SDEN	269,250		, 168	125	24.1	-	2	1.	- 5*	84	1	.1
BLAU	324,143	ور 10	241	154	25*2		-	2	7*	***		15
TICH	298,000	,, 10	229	161	28.1	-	, 2	2	3*	-	-	32
ANN	822,176	,, 10	521	464	29'1	-	15	5	7	2	, 1	53
eur	314,425	n 10	-, -	162	26*9	-	6	-	1	2	-	6
A-PESTH -	463,017	" 3	342	292	32.8	-	5	2	11	-	: 3	26
ESTE	160,092	,, 10	92	65	21.1	-	- 1	7.7	. 1	-1		
CB	418,217	April 12	182	147	18.7	-	5	-	4	,-,	-	4
IN (11 days)-	314.827	,, 10	, -,		1.7	-	-	-	, ~		~	-
TION	156,515	,, 26	75	65	21.7	8.	-	1	1	1.	1	6
RO	374,838	., 24	351	313	43.4	2	1	, -	1	3	14	97
XANDRIA .	231,396	24	188	154	34.6	1		-			9	36
W YORK -	1,595,547	. 26	-	802	26.0	_	32	7	29	9	2	13
DOKTAR -	859,612	26	-	358	21.7		3	5	31*	2		7
LADELPHIA -	1,064,277	May 3				-		-	-	,= ,		-
LTIMORE -	500,343	3	000	180	18.7	-	11	- 3	6		3	3
W ORLEANS.	254,000	April 19	-	110	22.6	-	3	-	. 2	-		. 5
	202,000	1			1	11	1				-	22710022

^{*} Including deaths from croup.

TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROTAL OBSERVATORY, GREENWICH, during the Week ending Saturdey, MAY 17TH, 1890. Under the Superintendence of the Astronomer Royal.]

Ozone. no sye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, and of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of the arrest (column 8). The mean daily deep point bemperature and degree of humidity are deduced The average temperature of the air is that derived from a discussion of the photographic the aggregate duration of bright sunshine on each day.

The results of all the metcorological observations are to be understood as applying to the of the photographic records made during the twenty years ending 1873 for the barometer, and With the corrected mean reading The thermometers in the water of the Thames are suspended at a depth of two feet below Sunshine Instrument, show converted into mean daily values by the application of corrections deduced from a discussion from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrorecords made at Greenwich during the 20 years ending 1868, and that of horizontal movement The height of the cistern of the barometer is 159 feet above the mean level of the sea; Clerk of the Market, under instructions from Nonegative; w. weak; m. moderate; s. strong; The record of Electricity is derived from Thomson's self-registering Electrometer, symbols employed are:—P. positive; N. negative; W. Weak; m. moderute; s. strong; v. variable, Foreign Cattle Market at Deptford. Sura 0.26 00.0 99.0 20.0 of the air from a discussion of the anemometric records for the 16 years ending 1875. Depar-ture from Average of 16 Years. Miles. + 16 +145 Sum + 208 In reading the columns 9 and 25 it will be borne in mind that + indicates -118 69 + 123 Robinson's. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Horizontal Wovement of the Air on each Day. Sum 1953 77 correction has been applied to the readings to reduce to sea level. The numbers in column 29, derived from the Campbell-Stokes Wind as deduced from Anemometers. Mean of 24 hourly obs. during the twenty years ending 1868 for the thermometers. lbs. 6.0 0.5 Pressure on the Square Foot. lbs. 0.0 0.0 0.0 0.0 0.0 0.0 the surface, at the end of one of the jetties of the 2.3 3.0 est. 21 WSW.SSW. NW. & WSW W. & WSW SSW. & SE. SE. & SW. their readings are registered by the S. & SE. SSW. General Direction. WSW. N. & WSW. WSW. A. W. SW. & SSW. SSE. & SSW A.M. SW. 19 metrical Tables. Of the Water of the Thames at Deptford. est. 9.79 26.4 est. 86 on the 9 37.2 37.3 Of Radiation. cloudy till evening; generally Parhelion visible for a short time Overeast and showery in morning; partially eloudy Cloudy and showery till afternoon; afterwards fine. with slight rain; fine fine High-est in Sun's Rays. 0.881 early morning; Degree of Hu-midity (Satu-86 69 14 20 75 59 all evening; overcast with rain at might. GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature. 1.5 0.8 Overeast with heavy rain in and partially cloudy afterwards. movning, 18.4 6.03 2.4.2 季. 75 20.1 18.1 Fine; partially cloudy. in early fine with Mean daily value. 9.6 15.2 10.4 13.9 F.01 and fine afterwards. Cloudy in early afterwards. Fine; partially cloudless at night. Of the Dew Point. 0.27 8.3 10 De-parture from 2.2 8.0 8.7 6. + + Sunshine, Horizon, in hours. 55.3 55.6 1.79 00 9.91 15.5 15.3 Of the Air. Range. 8.13 Daily 18.8 .25 10 3 6.95 48.2 6.9 9.27 Lowest. 9 0 morning; s.N., matter-noon; w. k. after-wards w. N. in carly morn-ing; w. R. atter-7 High-8.80 2.19 1.09 evening; 0 (For explanation of symbols, see Note.) ELECTRICITY. in. 29.352 w. P. generally 29.227 29.810 w. P. generally 4 Last Or. 2: In MONTH AND No. of Col. 1890. MAY. DATE. MEANS THURS. MONDAY SUNDAY FRIDAY TUES. MOM. BUN. FRI. SAT.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 21, 1890. Vol. LI.

WEEK ENDING SATURDAY, MAY 24.

[Price $1\frac{1}{2}d$.

General Register Office, Somerset House, 27th May, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in Twenty-eight Great Towns of England and Wales corresponded to an annual rate of 18.6 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	,	Weeks	ending				Weeks	ending	5
Towns.	May 3.	May 10.	May 17.	May 24.	Towns.	May 3.	May 10.	May 17.	May 24.
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Derby - Halifax - Huddersfield Hull - Leeds - Leicester -	16·1 21·9 36·0 22·8 15·6 20·9 17·8 27·9 15·9 21·6 21·0 21·5	20·0 17·3 32·4 20·4 15·2 14·4 16·0 27·4 25·4 10·5 17·6 22·8	22·8 32·4 22·5 13·1 19·1 19·2 24·3 17·8 16·0 17·6	17·2 21·5 23·4 18·4 15·6 14·6 20·1 24·8 24·2 9·4 18·8 20·2		24·6 13·6 21·3 21·8 15·7 24·8 25·8 29·6 27·1	17·3 31·3 32·3 17·5 16·6 21·0 20·5 15·7 20·3 22·8 26·2 21·4	17·3 35·0 25·9 20·2 15·5 18·5 17·2 16·0 22·3 20·9 26·8 28·6	17·1 28·0 23·4 19·1 15·8 17·4 15·9 14·6 18·3 20·2 22·1

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·1 in London, 1·5 in Liverpool, and 6·7 in Derby; from whooping-cough, 1·1 in London, in Norwich, and in Oldham, 1·3 in Salford, 1·4 in Bolton, and 2·1 in Derby; and from fever, 1·0 in Birkenhead. The rate from scarlet fever did not reach 1·0 per 1000 in any of the twenty-eight towns. The 38 deaths from diphtheria included 24 in London, 4 in Salford, 3 in Liverpool, and 2 in Manchester. One death from small-pox was registered in London and one in Hull.

In London 2443 births and 1451 deaths were registered. Allowing for increase of population, the births were 244, and the deaths 86, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had steadily declined from 19·1 to 17·3 in the six preceding weeks, further fell last week to 17·1. During the first eight weeks of the current quarter the death-rate averaged 17·9 per 1000, which was 1·6 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

The 1451 deaths included one from small-pox, 94 from measles, 15 from scarlet fever, 24 from diphtheria, 91 from whooping-cough, 6 from enteric fever, 10 from diarrhæa and dysentery, one from choleraic diarrhæa, and not one from typhus or ill-defined forms of fever; thus, 242 deaths were referred to these diseases,

exceeding by 14 the corrected average weekly number.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

One death from small-pox (of a general labourer admitted to the South-eastern Hospital from Ronver Road, Lee) was registered, the corrected weekly average being 18; five cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had been 62 and 70 in the two preceding weeks, further increased last week to 94, exceeding the corrected average by 26; 3 (including 2 admitted to the Infirmary from one house in Union Place) belonged to Paddington, 12 to Kensington, 5 to St. George Hanover Square, 6 to Marylebone, 13 to Islington, 6 to Hackney, 8 to Shoreditch, 5 to Poplar, and 4 to Lambeth sanitary areas. The fatal cases of scarlet fever, which had been 12 and 17 in the two previous weeks, declined again last week to 15, and were 13 below the corrected average; 2 belonged to Islington, 2 to Bethnal Green, 2 to Lambeth, 2 to Camberwell, and 3 to Plumstead sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1067 scarlet-fever patients at the end of last week, the numbers in the two previous weeks having been 1087 and 1101; 106 cases were admitted to these hospitals during the week, against 131 in each of the two previous weeks. The deaths from diphtheria, which had been 25 and 21 in the two previous weeks, increased again last week to 24, exceeding the corrected average by 7; 2 belonged to Paddington, 2 to Hampstead, 6 to Pancras, 2 to Hackney, and 3 to Greenwich sanitary areas. The deaths from whooping-cough, which had been 99 and 88 in the two preceding weeks, rose again last week to 91, and exceeded the corrected average by 23; 3 belonged to Paddington, 4 to Kensington, 3 to Fulham, 4 to St. George Hanover Square, 5 to Marylebone, 6 to Islington, 7 to Hackney, 6 to Shoreditch, 4 to Bethnal Green, 4 to Mile End Old Town, 6 to Poplar, 4 to Rotherhithe, and 5 to Battersea sanitary areas. The 10 deaths from diarrhæa were 7 fewer than the number in the previous week, and were 5 below the corrected average; 8 were of children under five years of age.

The deaths referred to enteric fever, which had been 3 and 8 in the two preceding weeks, declined last week to 6, and were 5 below the corrected average; 2 belonged to Islington sanitary area. The Metropolitan Asylum Hospitals contained 56 cases of enteric fever, and 2 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 5 and 3 in the two preceding

weeks.

One death was attributed primarily to influenza, the numbers of deaths so

returned in the two previous weeks having been 3 and 2.

The deaths referred to diseases of the respiratory organs numbered 294, being 6 fewer than the number in the previous week, but exceeding the corrected average

Different forms of violence caused 66 deaths, concerning all but 2 of which inquests were held. Of these 66 deaths, 12 were cases of suicide, and 5 of murder or manslaughter, while the remaining 49 were attributed to accident or negligence. Twelve of these were caused by horses or vehicles in the streets, 5 by burns or scalds, 3 by poison, 8 by drowning, and 9 (of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3222 births and 1865 deaths were registered, corresponding to annual rates of 29.2 and 16.9 per 1000 of the estimated population. In the Outer Ring 23 deaths from whooping-cough, 14 from measles, and 3 from diphtheria were recorded. Of the deaths from whooping-cough, 4 occurred in Willesden, 4 in West Ham, and 3 in Tottenham sub-districts. Four deaths from measles were registered in Croydon sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.81 ins.; the lowest reading was 29.45 ins. on Monday evening, and the highest 30.14 ins. on Thursday morning. The mean temperature of the air was 58.3, and 3.4 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Tuesday, but showed an excess on each of the other days of the week, amounting on Saturday to 8.1. The direction of the wind was variable, and the horizontal movement of the air averaged of the state of the s 10.2 miles per hour, which was 0.1 of a mile below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0.14 of an inch. The duration of registered bright sunshine in the week was 71.2 hours, against 64.6 hours at Glynde T'acc, Lewes,

1	
ı	
ч	
п	
1	
ı	
	eta
1	-
	1
	100
H	this
	-
	-
	Cáral
	¥.
	_
	80
	240
	व्य
	38
	page
	400
	400
	400
	400
	400
	first pa
	first
	first
	first
	400
	first
	e on first
	e on first
	e on first
	first
	e on first
	e on first
	note on first
	note on first
	note on first
	note on first
	e on first
	note on first
	note on first
	note on first

-	_			_			_	_				_	_	_		_			93													215
		CITIES AND BOROUGHS,	Cols.	- 28 Точия	Lownow	BRIGHTON.	FORTSMOUTH.	Norwich.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	Nothingham.	DERBY.	LIVERDOOT	BOLTON.	MANCHESTER,	SALFORD.	OLDHAM.	BLACKBURK.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	STADERLAND	NEWCASHIE	CARDIER.	· Company of the comp	EDINBURGE.	GLASGOW.	DUBLIN.
	KAINFALL.	Genti-	75	6.02	98.0	1	1	1.37	1.42	19.0	ı	1	0.48	ı	1.14		,	1	1	1 1	•		0.41	1	20.0	27 0	0.08	À 1	- 00	1		0.28
-	IKAI	n Inobes.	23.	2.37	0.14	1	•	0.54	99.0	0.50	•	1	61.0	1	0.45	3	•		1		•	•	91.0	1	1 000	07.0	80.0	2 1		ı	0.37	0.53
Z AIR.	1	entigrade.	22.	12.61	14.61	8 3	1	13.11	12.33	11.78		1	12.83	1	8.28		1	1			1		3.00	1	1 000	20 1	1.00	2	2	ı	-	12.67
E OF TH		shrembeit.	F F	54.7	00 00 01	1	1	55.6	54.2	53.5	1	1	55.1	8	56.4	•	1	ı	1	1 1	1	1	55.4 1	ı	1 G	2 2 2	0.15	· ·	-		26.2 1	
TEMPERATURE OF THE AIR.		Fahrenheit, Lowest,	20.	41.0	41.2	1		45.5	43.0	43.2	1	1	44.5	ı	1 00		ı		1	, ,	1	1	9.27	1	41.0		14.0 1					46.6
TEMPE	0	Highest	19.	77.1	1.24	,	1	73.8	0.44	8.02	1	• ;	I.69	1 1	74.4		4	,	•		8	1	39.5	1	0.64		69.0					65.8 4
Kate 000	he	From From Diseases in E	18.	2.3	8.7	8.0	11	2.0	1.1	T	0.8	2.0	er 0	0.1		1.8	6.1	₹. co	1.1	0.1	9.0	1.3	0.4	1.1	~~~	-	-	-		-	5.0 7	
Annua per 1	to t	Lrom All Causes. Grantes. From From Cols. 6-18.	17.	9.81	17.1	15.6	14.6	15.0	14.6	12.0	2.41	18.6	8.76	8.16	19.9	23.4	0.83	2.02	17 % 91 * K	18.3	₽.6	24.5	18.4	2.02	1 0.00	26.7		20.1	-	-		6.83
		behitteenU neClo seausU	16.	09	13	1	1 1	H	r-1 r	4	90	63 1	- 1	-	10	-	41	H -	- G	61		H	**************************************	63 6		-	-ten-ne	****	- -		20 .	
	*1	Deaths in Public Encitutions	15.	620	324	9 1	- 6	-	G (0	50	17	3 6	4	42	c1	48	13	o 4	٠,	H	6	10	1.0	07	0 0.	, YC	10	-		35	1
••	. "#	seaO tesupul	14.	235	119	н с	၁ ေ	1 1	ကေ	7	01	20 H	3 63	67	7	н	138		ş, 4	-	1	က	တ .	L	11	9 6	0 07	67		0.	Ø. 1	c
elude		Violence.	13.	134	99	1 6	3 1	1	1 -	4	-	1 <	F 63	1 67	10	1	9	20 c	o 4	-	-	C3	00	1 15	- 6	1 04	61	-	The state of the s	63	G .	-
Veck in		.amdrraid	12.	83	10	1 1	1		1 1				٠ ا	1	ಣ	-	4	00	1 0	-	1	1	1	1 0	N -	-	67	-	-	-	10	1
n the V	В	Ecret.	11.	83	9	1 -	- 1	1	C2 I		1	-	1	61	1	-	67 1	- I	1 '-	1	1	1	1 :	24	1 1	62	-	07	-	-		4
DEATHS registored in the Week include	Deaths from	Whooping-	10.	3 142	10 1		4 67	1	C1 F	-	10 T	- 1	4	-	10	9	61 6	9 0	o 1	-	_			24 0	3 1	1		. c1	-	1-	19	4
He regi	Dea	Fever.	8. 9.	51 38	15 24	· -		1	-			1			1 3	<u>'</u>	67	27 I			-		-			4 8	-	1			6.2	
		Messies.	7.	143 5	1 76	1 1	- 1	-	1 -	4 (9		4 00		11 81	1	1	1	1 1	-			,	1 0	3 0	1 01	1	61	- .		~	1
The		Small-pox.	\$°	2 1	1 0	8 8	1	1	1 1		1	1			1	ı	1	1	1		ı	1	ă.	1	l ,	1 3		1	-	00	-	
	of	shiawqu bus	5.	742	311	7 2 4	12	4	 13	> ;	24),T	9	13	53	10	37	61	2 10	-	10	12	17	26	3 0	61	.00	6	- -	12	36	3
	ath	Persons aged	4.	745 7		01	- 4	9	75	-	£ ;	GI OF	9	- 1	55	9	88	 63 .c	73 C	14	63	10 °	H	20	16	122	24	12	-	23		
ing	_	Infants under	-				2 20	24		_	-	200		3	-	22	-	400		27.00				_	_	20	-	-	•			-1
Registered during	the Week ending 24th May, 1850.	DEATER	89	3457	1451									,	©1						/-		. 1		-						245	-
			oi	5574	2443	90	45.00	44	126		279	193	9	91	351	49	217	142	5 65	72	37	20	114	752	145	79	124	92		143	983	235
	POPULATION Stimated .	to the middle of the Year 1890.*	1.	9,715,559	4,421,661	123,659	95.352	18,780	282,248	OUE, GO	461,865	154,344	100.871	105,019	618,463	115,816	879,437	242,509	198 658	105,163	94,253	\$2,034	240,515	939 627	913,833	186,506	162,987	117,012		271,185	£30,208	500,082
	CITIES	82	Cols.	28 TOWNS	LONDON	BRIGHTON	NORTHWICH	PLYMOUTH .	BRISTOL	WOLVERBAMETOW	BIRMINGHAM -	LEICESTER	TRRRY .	HEAI	LIVERPOOL	BOLTON	MANCHESTER .	Orntan	BM .	PRESTON .	HUDDERSFIELD	HALIFAX	0	STREETS		SUNDERLAND	NEWCASTLE .	CARDIFF	X	EDINDUBGH -		DOBLIN

TABLE 2. LONDON. -Births and Deaths Registered in the TWENTY-FIRST Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89,*	1890
Total Births Males Females	2618	2411	2401	2692	2627	2209	2431	2571	2278	2402	2686·9	2443
	1358	1215	1244	1383	1310	1144	1231	1315	1151	1218	1370·6	1265
	1260	1196	1157	1309	1317	1065	1200	1256	1127	1184	1316·3	1178
TOTAL Deaths Males Females .	1333	1452	1435	1518	1427	1538	1229	1534	1361	1267	1536·9	1451
	692	756	723	806	769	805	631	793	708	664	801·2	742
	641	696	712	712	658	733	598	741	653	603	735·7	709

^{*} The numbers in this column are the average weekly numbers in the twenty-first weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population,

TOTAL Births - 256 TOTAL Deaths - 186 Ages at	8. 12 2536 12 1889 13 226 14 226 14 348 14 428 17 89 17 394 18 294	Mar. 15. 2717 1771 776 196 303 404 92 392 271	Mar. 22. 2534 1637 729 193 296 342 77	Mar. 29. 2543 1571 743 204 264 809 51	Apr. 5. 2329 1419 657 183 239 285 55	Apr. 12. 2360 1619 774 204 275	Apr. 19. 2935 1611 782 177	Apr. 26. 2538 1567 742 197	May 3. 2613 1533	May 10. 2308 1469 712	May 17. 2468 1466	May 24. 2443 1451
Total Deaths 186 Ages at Death O-20 years - 73 20-40 " - 32 40-60 " - 32 80 years & upwards Under 1 year - 36 1-5 - 26	9 798 4 226 4 348 8 428 7 89 7 394 3 294	776 196 303 404 92	729 193 296 342 77	743 204 264 309	1419 657 183 239 285	774 204 275	1611 782 177	156 7	1533 721	1469	1466	
Ages at Death 0	9 798 4 226 4 348 8 428 7 89 7 394 3 294	776 196 303 404 92	729 193 296 342 77	743 204 264 309	657 183 239 285	774 204 275	782 177	742	721			1451
Ages at 20—40 , 23 40—60 , 32 80 years & upwards 1—5 , 26	4 226 4 348 8 428 7 89 7 394 3 294	196 303 404 92	193 296 342 77	204 264 309	183 239 285	204 275	177			719	707	
1-5 - 26	3 294		201			308 ⁷ 58	282 291 79	255 313 60	210 227 305 70	170 243 274 70	178 261 257 63	739 166 235 239 72
		113	381 270 78	366 304 73	310 253 94	372 298 104	356 322 104	369 286 87	337 294 90	360 251 101	339 266 102	335 307 97
"" Scarlet fever - Diphtheria - Scholars - Scarlet fever - Diphtheria - Scholars - Schol	9 85 4 12 4 19 7 95	35 18 25 86 - 3 1	45 11 23 76 7	45 10 30 101 - 7 1	35 8 20 84 - 2 1	54 12 21 79 1 4	65 13 17 106 - 8 -	61 17 20 88 - 6 1	1 67 15 18 86 1 6	62 12 25 99 -3	70 17 21 88 - 8 2	1 94 15 24 91 - 6
,, all the above- mentioned Diseases	4 175	182	176	207	160	181	220	206	215	212	223	242
, , Dis. of Respira- tory System , , Phthisis - , Dis. of Circula- tory System	4 206	164 145	381 169 148	375 154 120	296 180 114	384 174 151	380 189 133	345 154 119	326 143 140	301 139 132	300 154 124	294 119 121
Violent Deaths 5 Inquest Cases - 13 Deaths in Public Institutions 42		76 162 390	49 115 406	61 117 377	36 85 362	60 133 382	41 105 338	61 125 374	61 124 342	62 134 326	45 100 376	66 117 324
TEMPERATURE OF THE AIR Niean 35 Mean of Highest readings - 42 Mean of Lowest readings - 30	0 43.6	45·3 54·0 37·6	6.0	49·0 57·3 42·6	43·8 54·9 33·1	43·2 52·0 37·0	6. 46.1 53.8 39.9	47·1 56·7 40·1	50.7 62.2 38.9	52·4 61·6 44·6	55·3 67·4 45·6	58·3 71·0 45·6
Humidity of the Air - 8 Rain-fall in inches - 0 Registered Sunshine (in hours) 9	22 0.33	79 0·24 28·1	82 0·81 21·5	84 0·41 14·6	72 0·00 59·8	72 0·29 22·0	81 Q·38 27·0	82 · 1 · 00 · 15 · 9	67 0·07 63·9	80 0·56 14·2	69 0·56 54·0	65 0·14 71·2

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Rsq., F.R.S.:—F. E. Sawyer, Esq., F.R.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincott. Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverbampton Henry Tomkins, Esq., M.D., Leieester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingsham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunuerland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON .- DEATHS Registered at several groups of AGES from different Causes in the

TWENTY-FIRST Week of the Year 1890.																					
	or the	In the Week ending Saturday, 24th May 1890.									the	In the Week ending Saturday, 24th May 1890.									
-	40	-	De	aths	of P	erson	1s of	1.			10 ye	Deaths of Persons of the Ages									
	Averages eks of the 1880-89.*		τ	Inder	1	40.	60.	80.	and	CAUSES OF DEATH.	Averages aks of the 1 1880-89.*		Ī	nder 9			90				
CAUSES OF DEATH.	eeks 188	AGES.		20.	-	under					eeks	AGES.		20.	_	under			rs and		
_	Corrected 21st Week	ALL A	0-1.	1-5.	5-20.	and	and	and	J Years upwards		Corrected 21st Wee	ALL A	0-1.	1-5.	-20.	and	40 and under	and	Years		
	5~	4	0	- 1	10	@	9	99	08		0	4	0	41	10	50	41	8	200		
ALL CAUSES	1536*9	1451	335	307	97	166	235	239 —	72	Diseases of Organs of Special Sense † -	2.2	1	-	_	-	1	-	-	-		
Small- Vaccinated Unvaccinated	} 18.3				-	-	-	-	-	Diseases of Circulatory System	104.6	121	3	2	5	21	39	40	11		
(No Statement	67.6	94	12	76	5	1	-	-	-	Bystem)	1					-	-	-	-		
Measles Scarlet Fever	28.0	15		11	4	-	-	-		Bronchitis	12·9 145·5	164	46	34 25	1	3	18 21	49	13		
Typhus	0.0		H		-	-				Pneumonia	86.6	107	21	1	7	18	2	13	2		
Relapsing Fever † Influenza	0.0	. 1	-	-	-:	-	-	- 1	-	Other Diseases of Respi- ratory System}	25.4	16	8	1	1	2	5	4	-		
Whooping-cough	68.3	91 24	33	56 13	10	-	-		-	Dentition †	16.8	19	14	5	-	-		-	-		
Diphtheria Simple Continued and \	2.0			10	_	1			_	Quinsy, Sore Throat f - Enteritis -	2°5 8°4	7		1	-	-	1	1	-		
Ill-defined Fever - 5	11.3	6	_	1	. 2	i	1	1		Diseases of Liver	7·0 29·7	8 26	2 2	1 -	1	6	10	3 7	-		
Enteric Fever Cholera	0.8	1	-	-	-	1	-	-		Other Diseases of Digestive System -}	31.1	24	7	-	2	1	5	5	4		
Diarrhœa, Dysentery -	15.0	10	6	2	-	-	-	2	-	Discourse					-						
Remittent Fevert	0'4		_			-				Diseases of Lymphatic System & of Ductless Glands † -	1.9	-	-		-	~	-	-	-		
Glanders	0.0		-	-	-	-	-	-	-	Giands 7)			-	_		_			_		
Cowpox and Effects of \ Vaccination † }	0°4		-	-	-	-	-	-	-	Diseases of Urinary }	36.2	28	2	1	2	3	. 6	13	1		
Venereal Affections -	11.3	12	9	1	-	2	-	-	-	5,50011			—			_					
Erysipelas – – – Pyæmia and Septicæmia †	4°1 3°4	5	1	_	_	-	8	1	1	Diseases of Generative)	5.9	4	-	-		1	2	1	I-		
Puerperal Fever	5.7	3		-	-	3	-	-		Accidents of Childbirth	4.1	4	-	_	1	2	1	_	Ŀ		
Other Zymotic Diseases †	1.2	1		_	_	_	1			Diseases of Locomotive	0.0	7		1	2	3		1			
Thrush	2.1	2	2	-	-	-	-	H		System †}	8.9	<u> </u>		_	_			_	-1		
Worms and other Para-}	0.4	-	-	-	-	-	-			Diseases of Integumen-)	5.8	4	-	-	_	_	1	2	1		
,							-			tary System S		-		_		_	-		_		
Starvation, Want of Breast-milk † -	0.9	-		٥	-	-	-	-	-	WIOLENA DEAMING											
Alcoholism	5.3	6	_		-	3	1	2		VIOLENT DEATHS.§ (Accident.)											
Rheumatic Fever, \	6.3	2								Fracture and Contusion	22.8	23	-	2	8	1	8	8	1		
Rheumatism of Heart† } Rheumatism †	2.1	_			1		1	-		Gunshot Wound Cut, Stab	0.0	5	=	2	- 2	=	-	-	H		
Gout	3.3	4	<u>.</u>	-	- 4	-	3	1		Burn and Scald Poison	1.0	3 8	=	ı	3	1 2	1 2	1			
Rickets†	4.6	4	1	3	-		П			Suffocation Otherwise	12.3	9	9	-	1	=	-	-	H		
Cancer	60°2	16	6	2 7	3	5	22	17		72007 1120		-	-	-	-	-	-	-			
Tubercular Meningitis -	31.3	23	7	10	6	-		-	-	(HOMICIDE.)											
Phthisis Scrofula, Tuberculosis -	19.1	117	2	8	6	56	41	9		Murder & Manslaughter	1.6	5	4	-		1	_	-	-		
Other Constitutional)	7.9	12	1	2	1	2.	3	4		(SUICIDE.)	1.7 .										
Diseases † S		-	-	-				-	_	Gunshot Wound	0.5	1 2	-	-	-	1 2	-	-			
Premature Birth	38.3	43	43	-	-	-	-	-	-	Cut, Stab	1.4	3 2	-	-	-	1 1	1 -	ī			
Atelectasis † Congenital Malforma- ?	8.1	2	2	-		-	-	-	-	Hanging Otherwise	2.7	3	-		1	1 -	2	-			
tions	6.8	5	5	-	4	=	-	17	-			-	-		-	-	-				
Old Age	01.3	46	-	-	-	-	-	17	29	(Execution.)											
Apoplexy	44.6	36	-	1	-	-	12	20	3	Hanging	0.0	-	-	-	-	-	-	-	-		
Epilepsy	6.3	9 34	27	8	ī	4	1	1	-	E' 4 - 4 - 2 - 4							1.		1		
Other Diseases of Brain	07.9	101	16	23	13	11	19	14	5	OTHER CAUSES †	51.8	46	39	2	1	-	1	2	1		
and Nervous System	1	1	1	1	1	1	1	1	-			1	-	1	,	1	1	1			

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarlet during the Week ending

attation of the superstitle of	and the		during the Week ending															
*			The Drarus registered in the Weekinelude															
	Enume-			Deat	hs of	Deaths from												
REGISTRATION	rated Popu-	46.	H#.	9r 1	d 60 wds.				, .	sough.	1	or Ferer.	T.				Public	Causes
SUB-DISTRICTS.	lation.	Вівтия	DEATHS.	under of Age.	aged a upw	OK.		Fever	ria.	1g-00		d) F	Fever		ai	Cases.	in Pu	ed C
	1881.		Total I		Persons Years	Small-por	Measles.	Scarlet 1	Diphtheria	Whooping-	Typhus.	Enteric o Typhoid)	tinued tinued	Diarrau	Violence.	Inquest	Deaths Institu	Uncertified
		Total	To	infants Year	Per	Sm	Me	Sca	Dip	Wh	Tyl	En	L tin	ELC!	, v	Inq	Dea	Une
LONDON	3,815,704	2443	1451	335	311	1	94	15	24	91	-	6	-	10	66	119	324	13
WEST DISTRICTS	669,638	385	270	55	70	-	36	-	4	20	-	-	-	2	12	18	62	8
NORTH DISTRICTS	905,947	565	334	79	67	-	29	5	13	22	-	3	-	1	9	39	65	1
CENTRAL DISTRICTS	282,238 692,738	120 473	280	23 69	17 52	-	20	2	1	8 21	-	1	-	4	10	15 21	30 71	4
East Districts - South Districts - Hos-	1,965,148	900	477	109	105	1	18	8	5	22	-	2	-	2	27	35	96	5
METROPOLITAN ASTLUM RUS-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST DISTRICTS.		ra	29					_	1	2		-		1			_	
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	52 5	17	8 -	6		3	-	1	1 4	-	-	-	-	4	5	9	-
Rensington Town Ww - W.M. & C	120141 48010	59 10	6	14	9 2	-	12	=	1 -	-	-	-	-	-	-	ī	11	-
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C	7899 64340	55 57	1 19 35	4 10	5 8	:	1 2	-	=	2 3	=	=	-	-	1 2	1 2	2	1
Chalcas Couth HHH U.	42900 30396	17	16 12	1 3	6	-	1	=	-	1	-	-	-	-	1	4	3 7	-
Chelsea North-east C.	24925 32807	18 20	11	3	3 2	-	=	=	=	1	+	-	-	-	1	-	~	-
May Fair WW G.J. Belgrave WHHH C.	80353 59220 85496	3 32 26	24 15	7 2	6	=	5	=	1	4	=	-	=	-	2	2	5 -	2
St. Margaret Westminster H - C.	24679	10	10	2	3 3	-	1	-	-	1	-	-	-	-	1	1	8	-
St. James Westminster WHH N.R. &G.J St. Anne Soho HHHHHHHH - N R.	29941 16608	8	3	-	1	-	= '	-	-	-	-	-	-	-	-	=	i	-
North Districts. All Souls Marylebone HHHHH- W.M.	26759	11	14	3	2		1	-	1	-	-	-	-	-	-		4	-
Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M.	14891 24809	6 12 22	7 12	1 3	2 3	=	1	=	=	8	-		-	-	5	1	8	-
All Sonis Marylebone HHHHH W.M.Cavendish Square HHHH — W.M. Restory Marylebone WH G.J. & W.M. St. Mary Marylebone HH — W.M. Christehurch Marylebone HH — W.M. W.M. W.M. Christehurch Marylebone H — W.M.	21118 83700 33688	25 14	9	4 2	5	-	2	=	=	1	-	-	-	-	1	1 2 2	1	-
Hampstead WwwIIHHH N.R. & W.M	45452	31	14	4	3	-	-	-	3	1	-	-	-	-	-	-	3	-
Regent's Park Paneras H W.M. Tottenham-court wHHHHH N.R.&W.M. Grav's Inn Lane HHH N.R.	89115 27729	17 9 13	10 9	3 2 2	1 1		=	-	2	ī	-	-	-	=		3	6	-
Gray's Inn Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R.	30247 84369 17811	19	16 11	2 2	1 4	=	2	=	=	1 -	-	i	-	-	7	1	3 2 5	=
Kentish Town W N.R.	87487 67946	70 40	30 81	6	9	-	1	-	2	1	-	1	-	1	2	5	6	-
Islington South-west HH - N.R. Islington South-east - N.R.	100976 61895	75 45	33 21	9	6	-	9	1	=	3 2	=	-	=	3	-	2	2	=
Highbury H N.R. Stoke Newington H N.R.	52048 22781	23 15	12 5	4 2	3		-	1	-	-	-	1 -	-	-	-	-	1	"
Stamford Hill E.L. West Hackney H N.R.	9277 87610	7 29 53	19 40	6	2 4 7	-	-	1	2	ī	=	-	-	-	-	ī	6	ī
South Hackney E.L.	76911 39888	19	40 14	11 5	7 2	-	5	1 -	3 -	2	-	-	-	-	2	4	13	-
CENTRAL DISTRICTS. St. George Bloomsbury - N.R.	16681	10	2	1	-	-	-		-	-	-						_	
St. Giles South WH N.R. St. Giles North N.R.	14864 13837	11 5	1	1 -	1 -	-	_	-	=	-	-	-	-	-	-	-	1	-
St. Martin-in-the-Fields HH N R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515	2 - 3	8	ī	2	-	-	-	-	-	-	1	-	-	1 -	1	2	
Strand Union Workhouse, Edmonton w.	8559	12	3	1	2 2	-	-	-	=	=	-	-	-	-	1 -	3 -	5 8	-
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Saffron Hill H N.R.	18671 10706 6538	6 2	14 6 2	9 -	3	=	ī	=	-	1	-	-	-	-	-	2 -	5	-
Bt. James Clerkenweil N.R.	17516	10	1	2	=	=	-	=	-	-	=	-	-	1 -	-	-	-	-
Pentonville N.R. Goswell-street N.B.	14773 17506	10	3 3	1	-	-	-	-	-	1 -1	=	-	=	-	1	- 2	=	=
Amwell Clerkelwell - N.R. Pentonville N.R. Goswell-street N.R. Old-street H N.R. City-road HHL N.R. Whiteeross-street N.R. Finsbury N.R.	11541 18628 9217	10 6	2 4 4	1 1	1 2	-	-	-	,=	1 -	-	-	-	-	-	2 -	-	-
Holborn Union Worknowse, Milicham, w.	_	3 -	2	-	1	-	-	-	=	ī	-	-	-	-	-	-	-	-
D. D. A.L. YF NT D. P. 1	11174 7198	3 -	3 1	2 1	-	:	-	-	-	-	-	-	-	-	1	2	-	-
St. Sepulchre H N.R.	5858 8896	1 2	14	1	3	-	-	-	ī	-	=	-	-	H	3	3	13	-
Allhallows Barking N.R. Broad Street H N.R.	18666 5652	3 -	1 -	-	-	-	-	-	-	-	=	=	-	-	1	1	-	-
		•	1)	-	3	-	1	-	1	1	1	1						

NOTE.—The Italie letters pixed against the names of the aub-districts denote Public Institutions situated therein, namely: W-Work-house; H-Hospital; L-Lunatic Asylum; L*-Private Lunatic Asylum in; which paupers are received; so-Workhouse Establishment receiving inmates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—4. J. signifies Grand, Junction Company; W. M. West Middlesex; C. Chelsea; S. N. uthwark and Vauxall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

DIPPTHERIA, WHOOPING-COUGH, FEVER, DIABRHERA, V.OLENCE, &c., registered in each Sub-district

		11					2.40				red in		11 004					
	Enume-		٠.	Deat	hs of				D	eaths	from						9	20
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Вівтне.	Total DEATHS.	Infants under 1	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever,	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS. reditch South† HL* - N.R ton New Town to - N.R ton Old Town - N.R gerston WH - N.R. & E.L	29937 28036 46275	10 22 27 27 27	13 16 14 19	1 4 3 4	1. 2. 5. 6.	1111	2 2 3 1	1	1111	3 1 2 - 1	1111	1	1 1 1 1 1	1111	2 - 1	32 - 2	3 4 - 6	1
$\begin{array}{ccccc} \text{hnal Green North} & H & - & - & \text{E.L} \\ \text{hnal Green South} & - & - & \text{E.L} \\ \text{hnal Green East} & WHL* & - & \text{E.L} \end{array}$	34399 4140 5	20 28	21	14	2 5	-	1	-		3 1	11 1		-	-	1	2	9	-
affields - E.L. & N.R. e End New Town W - E.L. & N.R. dman's Fields - gate - N.R. & E.L.	17490	12 15 15 4 1	7 10 23 1	1 1 1	1 3 4	¥ 1 1 1	1		1111	1111	1111	11.	-	1	2	3	20	
George's North E.L John, St. George East W - E.L	38747 8410	20	9	3 -	1 2	-	2	-	1.1		-	Ę		1	-	1	25 27	-
dwell H E.L. $\&$ N.R. cliff E.L. ehouse E.L.	10107	3 15 23	5 2 6	3	1 2	17	ī	7.7		1 1 4	- 3	-		ī	=	1	=	ī
e End Old Town West H - E.L e End Old Town East WwwH- E.L	37960 67653	32 36	10	5 5	ī	-	-	-	1 -	3	-	-	-	-	1	2	ī	- 2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	37074 64859	28 57 30	13 - 46 - 23	12 4	1 5		3 2		-	5 -	=	-	1.1.1	ī	2	1 2	15 2	-
SOUTH DISTRICTS. Sistehurch Southwark WH L. & S Saviour Southwark S, a L-road S, a Tough-road WH - S, a Idon-road HL - L. & S Lity Newington - S, a I Peter Walworth W - S, a I Mary Newington - L. & S	21318 26672 59555	7 4 16 16 8 26 53 19	5 6 4 6 7 6 17 6	2 1 1 4 1 2 4 1	2 1 - 2 - 6 2	1111111	2 1	1111111	1111111		111111		1111111		111	1 1 1 2 -	1 - 4 2 - 1 -	11111111
Olave WH S. & 1 Ather Market S. & 1 Mary Magdalen W - S. & 1 James Bermondsey - S. & 1 Cherhithe WH S. & 2		7 13 11 28 20	19 4 3 17 15	1 1 5 2	1 1 2 2	111,11	- 222	12.	11111	4	1 1 1 1 1	11111		1	5	5	14	ī
Agricological State Agricological State	3. 15195 16351 19876 39859 45282 35882	10 15 10 33 39 22 45 5	8 17 17 14 12 23 6	2 4 2 6 3 5 1	1 7 4 5 7 2	111,11111	1 - 2		2	1 2 -	пітіп	11-000	11111111	111111111	31	81 -1 4	992-1	11111111
at Battersea wwH - S. set Battersea wwH - S. pham H - S. andsworth WHL - S. they - S. Let Battersea wwH. Let Battersea wwWH. Let Battersea wwWW. Let Battersea wwW. Let Battersea wwWW. Let Battersea wwW. Let Battersea wwW. Let Battersea wwW. Let B	54675 52587 36380 28004 13235 25553	47 44 18 20 12 21	20. 25 8 10 7 8	4 7 2 4 2 2	1 5 3 1 3 2	111111	1 1 1 1	11111		321	11111	1	1 1 1 1		1 1 -	1 -	5 2 -	11111
lwich L. & mberwell WwL^*L^* - S. & b. kham W S., L., & l. & L. & L. & L. & L. & L. & L. & L.	71089	35 47 34	30 21 18	2 5 4	12 4 6	1	- 1			- + 3 -		2111		1	3 -	3 1	17	1 -
Paul Deptford ww 'K Nicholas Deptford 'K eenwich West H K eenwich East WHH K	76752 7901	66 5 8 27	33 1 4 22	9 -1 5	10	1	1 -	8 -	2 - 1	2	1141				1 1	1 - 1	14	-
tham H \mathbb{R} e H \mathbb{R} wisham WH \mathbb{R}	5048 21559 19865 26076	1 9 18 17	879	1 3	1 1	- 1			11.11	121.1	1 1 1	1.1.1.	1111		2 -	2 -	3	111111
ariton $H//$ 1 colwich Dockyard 1 colwich Arsenal HH 1 unstead. West H 1			5 4 5 10	1	1			- 2 -	11111	1	41111	11111	11111	11111	1	1	2	11111

The following Workhouse Establishments are indicated in the 19113 Table of w (see note at foot of preceding page): -

Marylebone Infirmary in Kensington Towa sub-district.

Central London Sick Asylum in Tottenham Court sub-district.

Contral London Sick Asylum in Tottenham Court sub-district.

London City Workhouse

Haskney sub-district.

Hotton in Tottenham Court sub-district.

Hotton in Tottenham Court sub-district.

Hotton New Town, sub-district.

Hotton New Town, sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-district.

Mile End Old Town Eastern sub-distric

Table 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during the

-		r	1	W	eek e	nding		rday,		May	, 189	0.			•			
Regis-		Area				-			The D	EATHS	regist	ered in	the V	Veek i	nelude	,		
tration District		Aeres,	Enume-		200	Dear	ths of	12			Death	s from	1		~ -		47	10
and Sub-' district Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	Population, 1881.	BIRTHS.	DEATHS	Infants under 1. Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fover:	Diphtheria.	Whooping-cough.	Wever.	Diarrhoss	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LOI	NDON-OUTER RING	370,924	950,957	779	414	90	101	-	14	2	3	23	2	2	19	31	45	9
80:1	Carshalton wZ - Epsom (part of)* WwH	12228 9971	21118 10710	1 3	7	1	2 2	1.1	-	1	-	-	-	- da	1	1.	1 -	-
87:1	Godstone (part of) * -	2754	1235	-	-	-	-	-	-	-	-	-		-		1/4		L-
38:1	Croydon Ww L -	20851	101241	73	58	9	18	+	4	-	1	1	1 -	N. T.	1	1 2	17	
89:1	Wimbledon HHH -	11697 3220	17982	10	8	1	1					- Ti	42 P 12		1		1	
2	Kingston WHH-	8549	36354	19	15	8	. 6.	-	-	-	-	-,	-	-	-	2	5.	4
8	Esher (part of) * - Hampton H	6601 4573	9221 18589	2 4	1 2	ы	1	-	-	-	-	-	_		I.	1 -	-	27
40:1	Richmond WH	2272	_21302	10	. 7		1		ja.	-		2	100 /		1	1	3	. +/3
2	Mortlake	2941	12381	12	7	2	2				-				2	2	10 = 1	
41:1	Bromley (pt. of) * HH Chishrst(pt.of) * WHH	15669 14307	31142 15844	28 10	10	2	3	-,	-	-	-	1	-	.1	-	-	ì	1
42:1	Bexiev H	13437	24184	16	5	2	2	-				-	. 148			1	+	-3
124: 1	Dartford'(Ww, pts. of)*1	-	11004	1		-	1				-	s	-	-	-	-	× 7	-13
2	Sunbury w Staines W	11055 13277	11685 12089	8	3	92 -	-					-	-	-	-			
125:1	Hillingdon WHH -	6029	10802	8	2	1	1	-	-	-1	-			-	-	1		- 3
2 8	Uxbridge Hayes wHL	6178 14587	3225 11523	5	2 5	_	3		1		_	-	-	7-	-		-	-3
126: 1	Isleworth WHH -	7008	22727	22	11	2	2	-	1		-	_	-	-	- 1	1	. 3	- 17
8	Twickenham H Brentford HL	2477	12479 27649	8	5 10	1	1		-	-	1 '	-	-	-	-	2	-	2
C	Chiswick	1840	15975	9	6		2	-11	-	-	-	1	-	-	-	1	12	-
127:1	Acton wH	6088	22876	2	7	2	1		- 1	-			-			7		
2	Harrow H Edgware H	13809 6994	12796 3749	S' 4	3 4	1	2	-	-	-	-	-	-	-	70			-
8	Willesden	4888 8389	27453 10484	30	23 5	7		-	2	~.		4		-		1	77	, -
137 : 1	Bushey	9881	6621	13	1	1	2	-	1-		7	-	:		1	-		
2	Watford (W, pt. of) -	-		-	-	-	-	-	-	-	-	-	- 1	-	-	-	-	-
128 3 1	South Mimms	15199	6391 10092	7	1 6	-	. ~	-	-	-	-	1	-	-		2	8	-
8	Finchley HL	4638	17615	22	13	.2	1	-	1	-		1	-	-	-	1	2	
185:1	Hatfield (part of) * -	8806	588	:-	,-		-		-	-	-		-	-	**	**	-	-
128:1	Hornsey H Tottenham H	3089 4642	37078 46456	30 70	23 2	.4	6	-	- 2	1	1	1 3	1	-	1	1	1	
8	Edmonton Ww : -	7488	23463	16	- 11	4	1	-	2	-	-		- 1	-	3	8	. 1	2
8	Enfield WH Waltham Abbey	12653 11017	19104 5368	19	. 3	2	-	-	-	-	-	-	-		-	-	-	1
6	Cheshunt	8480	7785	7	4	-	. 2	-	1		-	-	-	-	1.	1		-
186:1	Stratford West Ham www.H -	882 4055	38606 90347	19	9	2 17	2 7	-	-	-	~	- 4	-	1	2	2	-	1 3
8	East Ham ww	3296	10706	14	2	2	-	100	-	-	-	2	-	-		-	-	-
ŏ	Leyton WwL Walthamstow H -	4372 6520	32480 28869	41 26	20 14	8	4	-	- 1	-	-	2		-	2	2	4	1
87:1	Chigwell (part of) # H	11761	9669	8	1	4	-	٠ .	-		1_				-		-	-
89:1	Epping (W, pt. of)*		-	,-	1	-	. ~	-	-	-	- 1	-	-		-	-	1	-
2	Romford (part of) * W	6730 8498	3411 7645	5	2	-	1	-	-	-	-	-	-	£ .	7 1		1	-
8	Barking Town	4127	9203	16	2	1	-	-	-	-	-	-		4	-	-	-	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follow:

30: 2. Epone sup-district, except the parishes of Ashstead and Headley (pop. 1265); 37: 14, the parishes of Warlingthan and Faeley in Godstone sub-district; 39: 3. Esher sup-district, except the parish of Esher (pop. 1935); 41: 1, Bromisy sup-district, except the parish of Cadham and Knockholt (pop. 1818); 41: 2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135: 1, the parish of Northaw in Hatfield sub-district, except the parish of Theydon Bois (pop. 875); 189: 1, the Darish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer King in 42: 2, Dartford, 137: 2, Watford, and 17: 2, Epping, sub-districts.

4 Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

5 Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Metropolitan Asylum Hospital (see Table 5).

Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5). § Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan

On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and were constituted the registration sub-district of East Ham.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 24th May, 1890.

		Area			L RATE			The Da	HTAS	s reg	stere	d in	the V	7eek	inclu	le	
GRE.	ATER	in Acres, including	Estimated Population,		0 living.	DEATHS from	Dear	ths of				Deat	hs fro	m			blio 1.
LON	LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhos.	Violence.	Deaths in Public Institutions.
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		12.		14.		16.
ATER	LONDON	448,334	5,758,500	16.9	2.6	1865	425	412	1	108	-		114	8	12	85	
	London . Ring .	77,410 870,924	4,421,661 1,336,839	17·1 16·1	2'8 1'8	1451 414	335 90	311 101	1 -	94 14	15	24	91 23	6 2	10	66	324 45
mw	he area of (Twenton T		-			1								- 4		

TR.—The area of Greater London is 443,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal. 8'522 square miles, which is equivalent to the area of a circle having a radius of 14'933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,051 Persons.

•	POPULATION	n	ATE			ANNUAL	, D:	EATHS	FROM	PRIN DISEAS	ES.	ZYMO	
DITIES.	(enumerated or estimated).	OF R	ETURN.	BIRTHS. Exclusive	DEATHS. of Stillborn.	DEATH- HATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
UTTA	433,219	April	5	_	_	: _	1 -	1:_	1_	_	_	_	
BAY	773,196	May	6	316	348	19.5	3	5	2	,	2	127	22
RAS	398,777	April	4	261	336	43.7	5	17		_	-	115	38†
8	2,260,945	May	17	1109	9 99	23.0	2	63	2	31*		11	67
Faubourgs.)	477,288	21	17	243	178	19.2	-	1		9T.	5	. ==	11
BRDAM	406,302	99	17	273	157	20.1	-	-	1	. 2		1	Ti
ERDAM -	203,486	29	17	155	85	21.7	-	_	-	_	4		1
HAGUE -	156,497	33	17	95	57	18.9	-	-			1		-
NHAGEN -	312,387	93	17	194	122	20.4	-	2	1	7			. 6
KHOLM -	236,350	33	10	150	84	18.5	_	. 2	. 8	4*		1	10
STIANIA -	143,300	**	17	51	48	17.4	-		1.	5	-1	. 1	J
ITERSBURG	924,466 {	>> >>	3 10	-	539 507	30°4 28°6	1	22 22	22 26	6 9	4 2	10	40 52
IN a a	1,526,887	23	3	923	632	21.4	-,	20	3	34	12	3	46
BURG(State)	575,276	99	10	399	264	23.9	-	6	-	12*	2	2	14
DEN	269,250 -	99	10	163	116	22.4	-	2	-	7*	-	-	4
LAU	324,143	37	17	237	171	28.0		~	.1	5*	-	1	. 18
ICH	298,000	22	17	249	181	31.6	-	1	1	8*	-	1	35
UH	822,176 314,425	99	17	642	411	26.0	2	18	1	4	3	1	33
PESTH -	463,017	2.2	17	j	159	26'4	-	7	_2	4	3	1	3
STE -	160,092	"	10	380	301	33.8	-	4	2	12	-	3	24
		11		105	75	24.4	-		- Con	-	-	-	2
x (11 days)-	418,217	April	19	200	173	21.8	-	'4'	1	7	-	5‡	10
a (11 days)-	314,827 156,515	Morr	10	-	-	70.0	-	-	-	-	-	-	-
		May	3	59	55	18.3	6	-	-	1	-	-	- 5
	374,838	99	1	330	339	47.0	-	-		1	3	25	98
ANDRIA -	231,396	19 *	1	• 192	160	41.8	1	-	-	1		11	43
YORK	1,595,547	99 2	.3	0 4	741	24.0	-	27	12	28	5	1	19
KLYN -	859,612	22	3	-	342	20.8	-	1	1	28	1	1.	2
ADELPHIA -	1,064,277	33	3		367	18.0	-	. 5	4	5	2	12	5
IMORE -	500,343	. 11	10	. =	208	21.6	-	. 7		2		. 3	- 8
ORLEANS -	254,000	April	26		-	-	-	-	- 1	-	-	-	-
							_					-	-

^{*} Including deaths from croup.
† Including 1 death from cholers.
‡ Including 4 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the HOYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, May 24rm, 1890. [Under the Superintendence of the Astronomer Royal.]

											U	100		ervuu							
		Ozone.		5.0	10 10	18.8	11.7	0.0	0.0	0.0	5.1	27	a; no	r, are ission r, and	mum e air luced	aphic	and.	and the	The snd	show to the	45 in. ed to
Rain ,	collected in a	Gauge whose receiving	5 inches binches above the Ground.	in. 0.03	0.11	00.0	0.00	00.0	00.0	00.0	Sum 0.14	26	vel of the sea;	momete n a discu aromete mean re	one maxi re of th are dec	photogr tal move	higher,	wo feet k Deptford, ons from	ometer.	rument,	decreas
			Departure from Average of 16 Years.	Miles.	98 -	+122	1 23	1 87	+ 73	06 +	Sum - 15	25	in level c	oulb then uced from for the b orrected	mperaturum in minity or or or or or or or or or or or or or	n of the horizon	ending dicates	rket at I nstruction	ng Electi derute; s	Sunshine Instrument, shown nderstood as applying to the	of the we
.S.	*.	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	162	370	226	161	321	337	Sum 1720	24	ve the mea vel.	the wet thing 1873 the call	lue of ter egree of h mometers	discussion different	e 16 years that + in	d at a dep Cattle Ma , under i	f-registerir	kes Sunsh e underst	beginning on the 22
nometer		he .	Mean of 24 hourly obs.	lbs.	0.0	8.0	0.0	0.0	₽.0	₹.0		23	et abor sea le	correctars en	ily valued dans	from a 1,868, a	ior th mind	reign raign farket,	ı's seli . weak	ell-Stol re to k	at the
m Aner		Pressure on the Square Foot.	Least.	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fe uce to	nomet tion of inty ye	an da ature st bull	rived	ecords rne in	are surthe Fo	homsolive; W	Sample of day, sions a	.58 in.
nced fro		Pressi	Great-	lbs. 0.5	1.5	0.9	0.1	4.0	20.21	50 70	:	2.1	eter is to red	thert pplica he twe e ther	he corrections and we	hat de	be bo	names es of a	om T negat	the on eac	rom 29
Wind as deduced from Anemometers.	Osler's.	Direction.	P.M.	SW. & Calm.	E. & ENE.	SSW.	SSW.	ESE, & E.	ENE. & E.	E. k ENE.	& SSW.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no creedion has been applied to the readings to reduce to sea level. Observed from sere incept the the readings to reduce 3h. P.M.: and 9h. P.M. The means of the	ever-readings of the barometer, the dry hulb thermometer, and the wet bulb thermometer, and converted in turn mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading	of the dry but incrinometer is commined the corrected meant of the realings of the maximum and minimum thermometers, forming the mean daily value of the air and minimum thermometers, forming the mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glassher's Hyero-	erical Tables. The average temperature of the air is that derived from a discussion of the photographic cords made at Greenwich during the 20 years ending 1868, and that of horizontal movement	the air from a discussion of the arremometric records for the 16 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and - "lower," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Commension of London.	The record of Electricity is derived from Thomson's self-registering Electrometer, symbols employed are :F. positive; N. negative; w. weak; m. modernie; s. strong; v. variable.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the number of unstino of bright sunshine on each day. The gresquis of all the meteorological observations are to be understood as applying to the	yiel day, or from midnight to midnight. The reading of the barometer decreased from 29°55 in, at the beginning of the week to 29°45 in. by 8h, v.m. on the 19th; increased from 50°14 in, by 8h, v.m. on the 22nd; and decreased to
		General Direction	A.M.	SE. & S.	Calm& ENE.	S. & SSW.	S. & SSW.	Calm & NE.	ENE.	NE. & ENE,	ENE.	19	f the cistern seen applied to	the baromete mean daily v phic records i	thermometer thermometer he mean dail daily values	temperature t Greenwich o	the air from a discussion of In reading the columns 9 a. "10wer," than the average.	neters in the withe end of on are registers. London.	of Electricity	in column 29 luration of br of all the me	civil day, or from midnight to midnight. The reading of the barometer decreased by the Par. on the 19th; increased to 3
E.	Wotow	of the Thames at Deptford.	Low- est.	0:	:	:	:	:	:	:	:	18	ight o	ngs of linto otogra	y bulb imum 8). T	Tables erage nade a	from ling the	ce, at	emplo	egate (ading on
TEMPERATURE.	O. A. A. C.	of the at De	High-	0:	:	:	:	:	. :	:	:	17	The he	ring th	the ar d min dumn dumn m the	The aveords n	the air In read	The the surfa	The rembols	The nue negrand	vil day The re
EMPER		Radiation.	Lowest on the Grass.	0 42.4	6.48	0.75	38.9	38.1	37.3	40.5	39.1	16	Coo	in cor				``##8	8	. th	io a
I Co and			High- est in Sun's Rays.	0 134.7	134.0	117.9	140.5	131.3	184.4	138.8	138.0	15		rain i	with solar Frequent	partially	of light cloud				
in the second	Degree	of Hu- midity (Satu-	ration equals 100).	63	22	73	63	19	58	09	65	14	ES.	Slight	ight, I	and .	gil lo si		out.		
the res	rature	re.	Least,	0.2	0.5	1.9	2.0	2.0	1.1	1.1	Gr.	13	MARE	eloudy.	ill ever ast at n	ng : Hu	amount iless.	ughout.	through		'r, * .
tale by	Tempe	nperatu	Great-	20.3	16.0	16.5	23.4	23.1	24.0	23.5	6.02	12	L RE		oudy t; overc	norni ndy.	en clou	fine throughout.	Cloudless throughout.	,	
Onder the Superintende	the Air Temperature	Ten	Mean daily value.	0.21	7.5	80.50	12.4	13.3	14.9	14.3	6.11	11	GENERAL REMARKS.	Partially	ially el	ughout ls. Wi	y, with	very fi	day. Clo	Very fine.	
	Of the	Dew Point.	Mean daily value.	0.94	2.12	40.4	44.0	44.5	44.5	49.5	46.4	10	GE	day.	nd partie ocean	st thro	fine da	Cloudless and	fine		
E.		1	De- parture from Average of	0 +	0.7 +	8.0 -	+ 1.4	4 2.2	+ 3.0	+ 8.1	+ 3.4	6.		A fine alternoon.	Fine and partially cloudy till evening, with balo visible occasionally; orereast at night. Fre lightning between 9h. P.M. and 1lb. P.M.; a	SHOWER OF FAIR AFER THE F.M. Overeast throughout movning; fine cloudy afterwards. Windy.	A very fine day, with small amounts prevalent till night; then cloudless.	Cloudle	A very	Cloudless.	
		Air.	Mean daily value.	0.82	58.4	53.9	50.4	27.8	59.4	8.89	58.3	00	above rizon,	15.7	12.4	15.8	15.8	15.9	15:9.	16.0	Sum 110.8
TEMPERATU		Of the A	Daily Range.	0 22.1	26.5	13.0	0.96	31.8	28.0	29.3	25.3	7	ed Sun ie, Ho								1
			Low-	0.84	: 7	6.87	45.1	41.5	44.2	47.8	45.6	9	Registered Sun above Sunshine, Horizon, in hours, in hours.		7.0	6.5	13.0	13.3	13.2	14.0	Sum 71.2
			High.	0 10.1	2.02	62.8	71.1	73.0	72.5	1.22	0.12	10		, •	, •	•	•	till fter-	with	•	
BARO-	METER.	daily reading	rected and reduced to 320 Stored to heit).	in. 29.572	29.512	29.620	30.017			29.845	29.811	-	ELECTRICITY. (For explanation of symbols, see Note.)	•	•		•	v. P. and w. N. till afternoon; w. P. after-words.	w. P. generally, with		
		Phases	Moon.	, N				-	Ď	Apogee.	:	8	(For elsymbo	, W. P.	w. P.	w. P.	w. P.	v. P. afternoor	w. P. g	w. P.	
		0.	AND.	X. 18	13	202		22	23	- 24		ol.	63	•	. 10	. 20	12 21	63	83	. 24	
		₹890.	Моитн анд Дат.	MAX.	Mox.	TUES.	WED.	THURS.	FRI.	SAT.	MEANS	No. of Col.	DATE MAY.	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	TRURSDAY	FRIDAY	SATURDAY	

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER CREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office. AND SOLD BY MYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 22. 1890. Vol. LI.

WEEK ENDING SATURDAY, MAY 31.

Price 11d.

General Register Office, Somerset House, 2nd June, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.8 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

The transfer of the		Weeks	ending	3 -1				Weeks	ending	3
Towns.	May	May	May	May	Towns.		May	May	May	May
* / / / / / /	10.	17.	24.	31.			10.	17.	24.	31.
Birkenhead	15.4	11.9	21.8	17.4	Liverpool -	-	20.2	23.5	19.9	19.8
Birmingham	20.0	19.9	17.2	15.5	London -		17.3	17.3	17.1	16.6
Blackburn -				19.4	Manchester	•		35.0		
Bolton -			23.4		Newcastle-on-Ty	ne	32.3	25.9	23.4	25.9
				16.3	Norwich -	-	17.5	20.2	19.1	15.3
Brighton -	15.2	13.1	15.6	17.3	Nottingham	-	16.6	15.5	15.8	11.7
Bristol -				15.5	Oldham -	da	21.0	18.5	17.4	17.1
Cardiff -	16.0	19.2	20.1	13.4	Plymouth -	-	20.5	17.2	15.9	15.2
Derby -	27.4	24.3	24.8	16.5	Portsmouth	-	15.7	16.0	14.6	16.4
Halifax -	25.4	17.8	24.2	23.5	Preston -	-	20.3	22.3	18.3	23.8
Huddersfield	10.5	16.0	9.4	19.9	Salford -	-	22.8	20.9	20.2	18.7
Hull	17.6	17.6	18.8	17.8	Sheffield -	-	26.2	26.8	22.1	21.5
Leeds -	22.8	23.5	20.2	17.9	Sunderland	-	21.4	28.6	26.7	19.5
Leicester -	12.5	16.9	18.6	14.5	Wolverhampton	-	13.8	16.9	15.0	16.3

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1.0 in London and in Liverpool, 1.1 in Birmingham, and 2.1 in Derby; from scarlet fever, 1.0 in Manchester; and from whooping-cough, 1.1 in Norwich and in Sheffield, and 2.1 in Derby. The rate from fever did not reach 1.0 per 1000 in any of the twenty-eight towns. The 46 deaths from diphtheria included 25 in London, 4 in Liverpool, 5 in Manchester, 4 in Salford, 2 in Brighton, 2 in Birkenhead, and 2 in Hull. One death from small-pox was recorded in Huddersfield.

LONDON.

In London 2091 BIRTHS and 14!1 DEATHS were registered. Allowing for increase of population, the births were 570, and the deaths 80, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had gradually declined in the seven preceding weeks from 19.1 to 17.1, further fell last week to 16.1, this rate being the lowest recorded this year. During the first nine weeks of the current quarter the

death-rate averaged 17.7 per 1000, and was 1.7 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1411 deaths included 83 from measles, 14 from scarlet fever, 25 from diphtheria, 78 from whooping-cough, one from typhus, 3 from enteric fever, 10 from diarrhœa and dysentery, and not one from small-pox, ill-defined forms of

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

continued fever, or cholcra; thus, 214 deaths were referred to these diseases, being

5 below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 18; five cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had increased from 62 to 94 in the three previous weeks, declined last week to 83, exceeding the corrected average, however, by 14; 6 belonged to Paddington, 11 to Kensington, 6 to Hammersmith, 6 to Fulham, 4 to Shoreditch, 3 to Rotherhithe, 5 to Battersea, 5 to Wandsworth, and 3 to Greenwich sanitary areas. The 14 fatal cases of scarlet fever showed a slight further decline, and were 12 below the corrected average; 2 belonged to Shoreditch and 4 to Lambeth sanitary areas. The Metropolitan Asylum and London Fever Hospitals contained 1089 scarlet-fever patients at the end of last week, the numbers in the two preceding weeks having been 1101 and 1067; the number of cases admitted during the week was 106, corresponding with that in the previous The deaths from diphtheria, which had been 21 and 24 in the two preceding weeks, further rose last week to 25, exceeding the corrected average by 8; 2 belonged to Kensington, 3 to Pancras, 2 to Hackney, 2 to Bethnal Green, 3 to Poplar, and 3 to Lambeth sanitary areas. The 78 deaths from whooping-cough, though fewer than those recorded in any recent week, exceeded the corrected average by 19; 3 belonged to Paddington, 7 to Islington, 5 to Shoreditch, 4 to Whitechapel, 4 to Mile End Old Town, 7 to Poplar, 3 to St. George Southwark, 4 to Newington, 4 to Lambeth, 3 to Wandsworth, and 4 to Greenwich sanitary areas. The 10 deaths from diarrhæa corresponded with the number in the previous week, and were 7 below the corrected average; 9 were of children under five years of age.

The deaths referred to enteric fever, which had been 8 and 6 in the two preceding weeks, further declined last week to 3, and were but one-fourth of the corrected average. The Metropolitan Asylum Hospitals contained 54 cases of enteric fever, and 3 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week, against 3 and 5 in the two preceding weeks. Eight deaths were ascribed to puerperal fever, against a corrected average of 4, and of

these, 3 belonged to Hackney sanitary area.

One death was attributed primarily to influenza, the deaths so returned in the

three preceding weeks having numbered 3, 2, and 1.

The 259 deaths referred to diseases of the respiratory organs showed a further decline from the number in recent weeks, but exceeded the corrected average

by 7.

Different forms of violence caused 64 deaths, concerning all but 1 of which inquests were held. Of these 64 deaths, 9 were cases of suicide, and 1 of murder or manslaughter, while the remaining 54 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 2 by fall from swing, 2 by burns or scalds, 13 by drowning, and 14 (of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 2757 births and 1790 deaths were registered, corresponding to annual rates of 25°0 and 16°2 per 1000 of the estimated population. In the Outer Ring 20 deaths from measles, 20 from whooping-cough, and 6 from diarrhœa were registered. The deaths from measles included 7 in Croydon and 4 in Tottenham sub-districts; and of the deaths from whooping-cough, 3 occurred in Tottenham, 3 in West Ham, 2 in East Ham, 2 in Leyton, and 3 in Walthamstow sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.85 ins.; the lowest reading was 29.72 ins. on Sunday evening, and the highest 29.99 ins. on Saturday at noon. The mean temperature of the air was 54°0, and 2°5 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed a considerable excess on Sunday, but was below the average during the rest of the week. The direction of the wind was Northerly, and the horizontal movement of the air averaged 13.1 miles per hour, which was 2.9 miles above the average in the corresponding weeks of 16 years. Rain was measured on Friday to the amount of 0.07 of an inch. The duration of registered bright sunshine in the week was 51.9 hours, against 53.3 hours at Glynde Place, Lewes.

* See note on first page of this Return.

				,					0103	,			,	112		oro	.0	19											Grid .	23
	CITIES	BOROUGHS.	Cols.	- 28 TOWNS.	LONDON.	PORTSMOUTH.	NORWICH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	L'RICESTER.	Nottingham.	BIRERNHEAD	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	Surprint.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	
1		In Centi- metres.	24.	0.41	0.18	1	99.0	0.10	0.58	1	1	0.36	1 1	0.53	1	•	1				1	0.46	1	30.1	1	1	1	, 64.0	0.43	
RAIMBAIT		In Inches.	23.	0.16	0.02	1	96.0	· #0.0	11.0	1	1	0.14	1 1	0.21	1	1	1	1 1	2		1	0.18	£ :	07.0	R 1	1	1	0.81	0.31	=
AIR.	80.	Centigrade.	22.	11.11	2.55		24.90	10.80	10.72	1	ı	0.20	1 (10.58		ı	6	1 1	1	,	1	49.01	1	8.78		1	1	9.20	10.33	
TEMPERATURE OF THE AIR.	Mean.	stiedmerta'	21.	52.1	54.0 1		- F		51.8 1	1			1 1	20	1	1		1 1	1	ı	1	2.12	1	47.8		1	3	49.1	1 9.02	_
ATURE	-1	the it.	20.	34.5	59.5	,	1 4	0.98	84.7	,	1	34.5	1	2.3	,	1	1	1 1	1	1	1	87.0	8			1	1	36.0	36.3	
CEMPER	.31	Higher Tahrenheit Towes	19.	9.94	9.94	_	- 0.04		9.54	1	1	3.0.84	1 1	72.7	1	,	3	1 (1	à	1	8 8.04	ı	68.0 3			1	67.2 8		
-	eaths	From Diseases in Cols. 6-12.	18.	2.1 2	2.5		1.1		9.0	4.4			1.0	-	8.6	2.6	4 5	2.0	1.2	1.1	0.0		1.1		-	8.1	6.0		2.0	=
Annual Rate per 1006,	corresponding to the Week's Death	From All Causes.	17.	17.8	9.91	16.4	15.9	15.5	16.3	15.5	14.2	7.11	17.4	8.61	22.1	28.7	18.3	7.61	23.8	6.61	23.2	16.3	6.21	0.72	2.61	62.6	13.4	9.61	28.2	2
	1*172%	offiction of the state of the s	16.	73	9 1	н,	- 1	63	1		23	H :	- 1	16	7		00			1	62	2		20 00	_	6			20	-
		Deaths in Public MoitutitanI	15.	929	928	00 (9 00	13	4	27	90	တ (23 6	4	10	20	90 0	S 00	00	7	20	12	16	17	29	. =	*	19	4,	4.0
		Inquest Can	14.	238	123	10	es 1	9	7	12	-	-	1 6	18	9	21	20		4 10	1	H .	20	o .	47 H	3 63	1 4	1	0.	0	F
nde		Violence	13.	130	64	н «	n 1	13	m	11	1	-	1 1	14	c1	ø	92	1 -		1	1	1	ବୀ :	n =	# c1	1 6	1	9	13	9
The Drates registered in the Week include		.amdrraid	12.	35	10	Н	1 1	63	1	63	1	1	4 1	· 69	1	7	4	1 -	4 63	1	1	67	61	٦ ٥	1 1	8	1	1	9	0
he We		Ferer.	11.	18	41	1	1 1	-	1	ı	1	8		4	1				1 8	1	ı	ı	63	1	-	۲ -	1 63	67	60	1
ed in	from	Whooping-	10.	118	78		1 1/2	61	-	73	1	1	4 1	1 23	H	6.1	es :		1	1	1	1	တ်. :	L- r	→ 1	•	1 1	0	. E.	9
egister	Deaths from	Diphtheris.	9.	46	25.	1	1	1	1	1	1	1	1 0	21 4	4 8	13	4	1	-	1	1	1	1	1 0	23	-	- 1	-	4	7
ATH8 r		Searlet Fever.	00	56	14	-	1 -		1	4	63		1	1 01	တ	~		1	1	-	ı	-	-	य ।	-	٠.	1	1	-	ı
he DE		Measles.	7.	122	SP 1	1	1 -	4 I	1	10	1	00	₹!	1 6	1	41		8	4 4	1	1	-	1	e0	1 1	_	1	-	50	21
H		.xoq-llsm2	6.	-	1 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1 (-	1	1	1	1	1	1	1 1	-	1	1
	he of	Persons aged 60 Years and upwards.	5.	029	290	13	9	16	es	93	13	9	200	0 4	12	33	18	200	10	11	11	18	35	31	12	10	2 4	35	23	33
	Deatl	Infants under I Year of Age.	4.	003	349	- C	·0 1	19	7	36	13	23	0	20 E	00	52	22	0	10	0 10	4	13	30	31	16		3 00	0.03	62	17
Juning	Buipa	· ·	83	3310	1411	45	800	69	50	137	43	55	35	000	40	209	87	48	97	36	27	75	125	187	25 23	TO	30	109	290	102
Doniet breed during	the Week ending	BIRTHS, D)	.3	4619	2001	76	40	87	47	221	100	105	42	64	09	138	40	09	22 22	50	36	100	196	158	127	110	00	180	380	210
2	Z	to the middle of the Year 1890.*	1.	9,715,559	4,421,661	142,952	95,352	78,780	83,406	461.865	154,344	244,909	100,871	105,019	115,846	879,437	242,509	146,716	105,555	94,253	82,034		868,799	832,887	186 506	730 691	117,012	277.186	£30,208	202,08%
	O de a de a de a de a de a de a de a de	so m	Cols.	28 TOWNS	LONDON .	BRIGHTON	NORWICH .	PLYMOUTH .	WOLVERHAMPTON	- MAHNAMAT	LEICESTER	NOTTINGHAM .	DERBY	BIRKENDEAD .	BOLTON -	MANCHESTER	SALFORD		PREETON	HUDDERSKIELD .	HALIFAX .	BRADFORD	LEEDS	SHEFFIELD .	STADERLAND	NEWCASTIR .		EDINBURGH -	*	DUBLIN .

TABLE 2. LONDON .- Births and Deaths Registered in the TWENTY-SECOND Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2489	2578	2176	262 2	2548	2409	2537	2148	2491	2405	2661·1	2091
	1270	1316	1109	1322	1290	1228	1311	1079	1275	1214	1353·7	1054
	1219	1262	1067	1300	1258	1181	1226	1069	1216	1191	1307·4	1037
TOTAL Deaths Males Females .	1306	1507	1304	1405	1476	1521	1235	1447	1323	1151	1491·2	1411
	685	782	704	754	795	765	634	798	697	607	787·4	770
	621	725	600	651	681	756	601	649	626	544	703·8	641

^{*} The numbers in this column are the average weekly numbers in the twenty-second weeks of the ten years 1880-89, raised by 9 046 per cent. for increase of population,

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last Tr

1 ADD	E 3. LUND	UN.—B		,			****	716 0 110	GT 111	· CIIC	Liast	THIR	IS IS IN	WEEK	.5.
			Mar. 8.	Mar. 15.	Mar. 22.	Mar. 29.	Apr.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.
TOTAL	Births		2536	2717	2534	2543	2329	2360	2935	2538	2613	2308	2468	2443	2091
TOTAL	Deaths		1889	1771	1637	1571	1419	1619	1611	1567	1533	1469	1466	1451	1411
Ages at Death	0-20 years 20-40 ,, 40-60 ,, 60-80 ,, 80 years & u		798 226 348 428 89	776 196 303 404 92	729 193 296 342 77	743 204 264 309 51	657 183 239 285 55	774 204 275 308 58	782 177 282 291 79	742 197 255 313 60	721 210 227 305 70	712 170 243 274 70	707 178 261 257 63	739 166 235 239 72	713 186 222 244 46
ès	Under 1 yea 1-5 5-20	r - '	394 294 110	392 271 113	381 270 78	366 304 73	310 253 94	372 298 104	356 322 104	369 286 87	337 294 90	360 251 101	339 266 102	335 307 97	349 250 114
Deaths fr	measles measle	ver - ia - g-cough ever - ontafever and	35 12 19 95 - 4 1	25 18 25 86 - 3 1	- 45 11 23 76 - 7 - 14	45 10 30 101 - 7 1	35 8 20 84 - 2 1	54 12 21 79 1 4	65 13 17 106 - 8 - 11	- 61 17 20 88 - 6 1	1 67 15 18 86 1 6 -	- 62 12 25 99 - 3	70 17 21 88 - 8 2	1 94 15 24 91 - 6 - 7 10 1	- 83 14 25 78 1 3
,,	" all the a		175	182	176	207	160	181	220	206	215	212	223	242	214
39 39 29	" Phthisis " Dis. of Ci	System }	510 206 163	447 164 145	381 169 148	375 154 120	296 180 114	584 174 151	380 189 133	345 154 119	326 143 140	301 139 132	300 154 124	294 117 121	259 116 117
Violent : Inquest Deaths i	Deaths - Cases - n Public Instit	tutions	65 120 406	76 162 390	49 115 406	61 117 377	36 85 362	60 133 382	41 105 338	61 125 374	61 124 342	62 134 326	45 100 376	66 119 324	64 123 328
Mean Mean	of Highest rea	dings -	36°4 43°6 29°0	45·3 54·0 37·6	43·3 52·0 36·0	49·0 57·3 42·6	43·8 54·9 33·1	43°2 52°0 37°0	46°1 53°8 39°9	47·1 56·7 40·1	50·7 62·2 38·9	52·4 61·6 44·6	55·3 67·4 45·6	58·3 71·0 45·6	54·0 65·9 44·0
Rain-fal	y of the Air l in inches red Sunshine (i	n hours)	69 0·33 12·1	79 0·24 28·1	82 0·81 21·5	84 0·41 14·6	72 0·00 59·8	72 0·29 22·0	81 0·38 27·0	82 1·00 15·9	67 0·07 63·9	80 0·56 14·2	69 0·56 54·0	65 0·14 71·2	65 0·07 51·9

METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations. (See Table 1.)

and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield. Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; F. Smpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and R. A. Whitelegge, Esq., M.D., Nottingmam: J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different Causes in the Twenty-Second Week of the Year 1890.

			•	7	ľwe		-SE	CON	TD T	Week of the Year 18	90.								
	r the		In	the	Wee, 31s	k en t Ma	ding y 189	0.			for the		Satu	n the	, 31s	ek en t Ma	ding y 189	0.	
	20	1	De		of P		ns of				he 10 y		De	aths th	of Pe	erson	s of		
AUSES OF DEATH.	octed Averages Weeks of the 1 1880-89.		τ	Juden 20.	r	er 40.	er 60.	er 80°	and	CAUSES OF DEATH.	Corrected Averages 22nd Weeks of the 1880-89.*		U	nder 20.		under 40.	er 60.	er 80°	Bnd
	Week	AGES				d under	40 and under 60	d under	u Years		ected Wee	AGEB				and und	d under	d under	unwards.
	Corrected 22nd Wee	ALL	0-1	1-5-	6-20.	2) and	40 an	60 and	dn nb		Corre	ALL	0-1.	1-6.	5-20.	20 20	40 and	60 and	יתוו
ALL CAUSES	1491'2	1411	349	250	114	186	222	244	46	Diseases of Organs of Special Sense †	1.7	2	-	-	1		-	-	1
Small- pox Vaccinated; - Unvaccinated No Statement	}18.3		-	-	-		-	1 1 1	-	Diseases of Circulatory System	104.8	117	2	1	7	21	42	40	4
Measles	68.2 26.3	83 14	16	55 7	12 5	2			٨	Croup Bronchitis	9.5	5 129	1 46	4 32 22	14	3	13 23	31	3
Typhus	0.4	1 ~	-		1	/-	-	-		Pneumonia	81.8	105	24	1	1	8 2	3	24 1 2	-
Relapsing Fever † Influenza	0.0	1 78	36	-	4	1	~	-	٥	ratory System	27.3	13	3	4		1	_	2	_
Whooping-cough	16.8	25	2	38 15	8	-	_	-		Dentition †	11'3	15	10	5	-	-	-	-	-
Simple Continued and \ Ill-defined Fever - \	1.6	-	٥	-	-	-	-			Quinsy, Sore Throat † - Enteritis - Peritonitis -	6.8	10 5	2	-	6	2	2 7	1 1 4	-
Enterio Fever - : -	0.2	3	H	.1	- 1	1	-	1		Diseases of Liver - Other Diseases of Digestive System -	31.3	21 26	3 5	1	2	5 4	2	5 10	1 2
Uholera Diarrhœa, Dysentery -	16.6	10	7	2	-	-	-	1										-	-
Remittent Fever†	0.0		H	-		-	-	-		Diseases of Lymphatic System & of Ductless Glands †	2.4	1	-	-	1	-	~	-	-
Glanders	0.0	•		-		-	-	-											
Cowpox and Effects of \ Vaccination † \	0.3	8	5	_		-		-		Diseases of Urinary	38.1	46	~	~	5	9	17	13	2
Venereal Affections - Erysipelas	5'3	4	2	- 4		3	1	-	H	Dinganas of Games Hand	-	1.0							
Pyæmia and Septicæmia † Puerperal Fever – –	2°5	8		1		2 8		- 1	H	Diseases of Generative System Accidents of Childbirth -	9.8	10	-	-	_	6	1	1 -	1
Other Zymotic Diseases †	1.7			-	,-	-	-	-											-1
Thrush	2.2	1	1	-		-	_	-		Diseases of Locomotive	7.2	7	-	-	8	3	_	1	_
Worms and other Para-} sitical Diseases}	0.1		-	_		-	===	-		Diseases of Integumentary System	4.5	4	1	-	-	1	٠,	2	
Starvation, Want of	1'1									Name of the state			-	-					
Breast-milk †} Alcoholism	2.9	9	-		-	2	5	2		VIOLENT DEATHS.	- 3								
Rheumatic Fover.	210									(ACCIDENT.) Fracture and Contusion	22.2	23	1	4	3	4	7	8	1
Rheumatic Fever, Rheumatism of Heart† Rheumatism †	6.8	8 2		Ī	8	2	3	2	-	Gunshot Wound	0:1 0:4 3:9	1 2	-	-	î	-	-	-1	
Gout	4'3	4	-		_	1	-	3	-	Burn and Scald Poison	1.9	13	-	1 =	4	6	2	ī	-
Rickets †	4'8 55'2	5 46	1	4	1	4	22	18		Suffocation Otherwise	11.2	14	14	-	ī	-	-	-	-
Tabes Mesenterica -	24'1	21	10	9	2		-	-	-					-					
Tubercular Meningitis - Phthisis	32°2	24 116	7 2	8 2	9	53	40	8		(Homicide.) Murder & Manslaughter	2:7	1	-	-		-		-	1
Scrofula, Tuberculosis - Other Constitutional)	18'4	18	1	11	3	2	1	-	-						-	-	-	-	
Other Constitutional Diseases † }	11.2	6	-	1	1	1	1	2	-	(SUICIDE.) Gunshot Wound	0.9	-	-		-	17	- 0	-	-
Premature Birth	34*9	52	52	-	-	-		-	-	Cut, Stab	2.3	2 5 1	-	-	-	3	1 -	1	-
Atelectasis + Congenital Malforma- ?	2.8	3	8		-	-	200	-	-	Drowning		1	-			1	-	-	-
Congenital Malforma-} tions } Old Age	7·2	42	4	-	-	-	-	24	18			-	-		-	-			
		-		-	-	-		-	-	(EXECUTION.)	0.0			-	-	-	100		_
Apoplexy Epilepsy	40°6 8°9	36 6	-	-	1	2	13	19	3 -	Hanging		-		-		-	-	-	-
Convulsions Other Diseases of Brain	44'8	36	.34	2	-	-		-	-	OTHER CAUSES † -	52'3	48	41	2	1	-	2	2	-
Other Diseases of Brain and Nervous System	94°2	91	11	17	III	12	8	23	9			1	-						

The numbers in this column are the average weekly Deaths for the ten years 1880-39, raised by 9.043 per cent. for increase of population

The writenes at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, analysis of a ligner coroner to result of accident of a second of the coroner to certify whether a violent death be the result of accident, murder, analysis of a ligner coroner to certify whether a violent death be the result of accident, murder, and a ligner coroner to certify whether a violent death be the result of accident, murder, and a ligner coroner to certify whether a violent death be the result of accident or negligence.

The ten years average could not be correctly ascertained, the average for the cight years 1832-9 has seen used. The case of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so cartified by registered medical men. When the case of the case of the correct by a registered medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not cortified by a registered registered medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not cortified by a registered medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not cortified by a registered medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not cortified by a registered medical men.

TABLE 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox, Measles, Scarler during the Week ending

													uuri	ng u	he W	CCA	CHG	
							The	DEA	THS :	regist	ered i	n the	e Wee	kine	lude			,
	Enume-			Dea	ths of					Deat	hs fro	m					2	
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON - "	3,815,704	2091	1411	349	290		83	14	25	78	1	3	_	10.	64	123	328	1
WEST DISTRICTS	689,638 905,947 282,238 692,788 1,265,148	318 475 125 403 770	272 307 104 262 466 -	74 67 27 65 116	52 70 23 61 84 -		32 15 1 8 27	1 7 -	5 8 3 4 5	12 12 6 22 26 -	1	1 1 - 1	1 1 1 1 1	2 8 1	9 9 9 16 21	16 19 12 33 43 -	68 74 24 70 92	
St. Mary Paddington WHH G.J. &W.M. St. John Paddington H - G.J. W.M.	69888 37380 120141	45 7 48	16 54	7 5 13	3 1 11	-	11 11	-	1 -	2	-	-	-	-	-	2	7	
Brompton H - W.M. & C.	43010 7599	19 4	12 2 20	3	3 1 5	-	1 4	-		- 2		-	-	-	1 - 2	2 - 2	2 -3	
St. Paul Hammersmith H W.M. & C. Fulham Www - W.M. & C.	64840 42900 30396	41 39 9	36	8	11 -	-	7	1	2 -	1 -	-	1.	-	_	-	1	9 5	
Chelsea North-east	24925 32807 30353	11 20 4	6 7 17	2 2 3	1 5	-	1 -	ī	-	1 -	-	1 1 1		-	-	1 1	12	
May Fair WW G.J. Belgrave WHHH C. St. John Westminster HHH - C. St. Margaret Westminater H - C. St. James Westminater WHH N.R.&G.J St. Anne Soho HHHHHHH - N R.	30353 59220 35496 24679 29941 16608	22 14 17 10 8	31 13 8 8 4	10 5 1 2 3	6 1 2 2	11111	2	11111	1	2 1		1111	11111		3 1	1 1 -	11 4 1	
NORTH DISTRICTS. All Souls Marylebone HHHHHH- W.M Cavendish Square HHHHH W.M Rectory Marylebone WH G.J. & W.M St. Mary Maryleb, HHH G.J. & W.M Christeburch Marylebone H W.M. St. John Marylebone H W.M.	26759 14891 24809 21118 33700 33633	7 6 5 26 6 7	14 1 4 8 4 6	2 - 2 2 - 0	1 1 1 1 3	11111	1 - 2 1	111111	0 1 1 1 1 1 1	1 - 1		111111		1	1	2	8 - 2 1 - 7	
Hampstead Www/IHHH N.R.&W.M. Regent's Park Paneras B - W.M. Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R. Somers Town H N.R. Camden Town WH - N.R. Kentish Town W N.R.	45452 89115 27729 30247 84369 17811 87487	30 19 8 9 15 7 52	19 11 14 10 7 9 25	2 3 - 4 - 3	8 7 1 5 6		1	2	3 11 11 11			1 11111	-	1	1	1	7 8 3 - 6 5	
Upper Holloway $WWwH$ - N.R. Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R.	67946 100976 61825 52048	46 55 33 27 14	42 26 20 15	6 11 8 4	10 4 4 5	1111	1 3 -			4 2 1	-	1	-	1	2 4 -	2 - 6 3	19	
Stoke Newington H N.R. Stamford Hill E.L. West Hackney H N.R. Hackney WoonnoH E.L.&N.R. South Hackney E.L. CENTBAL DISTRICTS.	22781 9277 87610 76911 39883	9 21 52 21	12 40 10	2 2 8 5	10 8	1111	1 1	2	3	1	-	1111	11111	1111	1	1 1 1 -	2 13 -	
8t. George Bloomsbury - N.R. 8t. Giles South - N.R. 8t. Giles North - N.R. 8t. Martin-in-the-Fields HH N R. & C. 8t. Maryl-e-Btrand H - N.R. 8t. Clement Danca H - N.R.	16681 14864 13837 17509 7515 8559	8 11 5 6 6 2	3 9 5 5 2 6	1 2 1 2 1	1 1 2	111 111	111111	111 111	1	1				1	1	1	3 - 3 - 2	
Strand Union Workhouse, Edmonton w. St. Geog-the-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R. Saffron Hill H N.R. St. James Clerkenweil N.R. Amwell Clerkenweil N.R.	18671 10706 6538 17516 19281	6 2 1 10 15	1 6 4 1 7 8	2 1 3	1 1 3 -	11111	11111	111111	1 11111	- 1	14 1 1 1 1	11 1-1 11	111111	1			5 1 -	
Pentonville N.R. Goswell-street N.R. Old-street H N.R. City-road HHL N.R. Whiteeross-street N.R. Finabury - N.R. Holborn Union Workhouse, Mitcham; w.	14773 17506 11541 18628 9217 7468	9 10 8 14 2 2	7 3 5 10 3 1	3 3 4 1	1 3 -		111111	1111111	111111	1 1 -	1 1 1 1 1 1 1	11111	1111111		2 1	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
St. Botolph H N.E. & E. L. Cripplegate N.R. St. Sepulchre H N.R. St. Bride W N.R. Allhallows Barking N.E. Broad Street H N.R.	7193 5358 8396 18666	5 1 -4 2 1	3 10 3 1 1	1 1 1	1 2 -		1	11111	1	11111	11111	111111	111111	11111	- 28	2 -	9	

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Work house; 'H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in' which paupers are received; so—Workhouse Establishmen receiving immates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify the Wate Companies which supply the different sub-districts:—d. J. signifies Grand Junction Company; W. M. West Middlesex; C. Cheisea; S. Southwar and Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

R, DIPPTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

day, 31st May, 1890.																		and the same of th
							The	DEA!	TH8 T	egiste	red in	the	Week	s incl	ude			_
	Enume-				hs of			,	. 1	Deaths	from	1 1					16	98
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterie (or Typhoid) Fever,	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cuses.	Publ	Uncertified Causes, of Death.
Million and Million and Allerton														7				
EAST DISTRICTS. ditch South \dagger HL^* - N.R. on New Town w - N.R. on Old Town - N.R. erston WH - N.R. & E.L.	22343 29937 28036 46275	7 12 17 23	6 14 6 20	2 2 3 5	1 8 - 2	11/11	- 1 1 2		1111	1 3	1111	id til	1111	1111	1111	1	5 7	1111
nal Green North H - E.L. nal Green South - E.L. nal Green East WHL* - E.L.	51157 34399 41405	24 14 30	16 4 15	5 2 1	6 - 2	1.1.1	1 -		1		-	111	111	111	2 -	2 -	7	-
Helds	22585 15473 17490 9713 6102	14 24 16 3 8	5 6 2 2	2 4 1 -	14-1	11111	11111	11114	11111	1 2 1		11111	11111	1	1 5 -	1 6	16 16	11116
eorge's North E.L. ohn, St. George East W - E.L.	88747 8410	· 26	14	6	2 3	-		I:	- 1	1		1	,-	-		1 -	4	7 <u>-</u>
well H E.L. & N.R. iff E.L. bouse E.L.	10895 16107 82041	5 4 20	5 1 9	1 2		-	1.6.1	1 1 1	1	- 1	1 1 1	111	-	7	î		4	1
End Old Town West H - E.L. End Old Town East WwwH- E.L.	87960 67658	29 36	31	2 8	10	-		- ₂ =	. =	3	-	1.1) -	ī	1.	4	9	-
L^* E.L. aley were H E.L. ar WWH E.L.	37074 64359 55077	18 48 23	10 89 17	11 5	2 13 5	-	1 1 1		1 -	1 5 1	ĩ	111	-		- 4 1	10 4	16	-
SOUTE DISTRICTS. stchurch Southwark WH L. & 8. aviour Southwark - Sroad - S. & L. ugh-road WH - S. & L. on-road HL - L. & 8. ty Newington - S. & L. tetr Walworth W S. & L. lary Newington - L. & 8.	18663 14999 21381 15958 21318 26672 59555 21623	8 11 15 11 8 18 28 8	4 6 8 18 5 16 4	2 2 4 3 5 2 2 -	1 1 3 1	1111111	1 - 2 - 1	1111111	1111111	1 7 1 3 1 3	11111111	11111111			1111	1 - 2 1 - 1 -		1
lave WH S. & L. her Market S. & L. lary Magdalen W - S. erhithe WH S. & K.	11956 16300 15669 54682 36024	8 5 3 31 16	12 2 6 14 21	1 1 2 6	3 4 4		23			- 1	11111	=	11111	11111	1	1 - 1	8 - 1 - 5	11111
rloo-road 1st H -	15195 16351 19876 39859	20 14 25 26 11 29 16	18 19 16 12 21 5	2 2 2 2 1 5 4 5 1	2 1 2 7 2 2 6 1	1111111	3 - 7 -	1 3		1 1 1 1 1 1	11111111		1111111	1111111	1 - 2 1	8 1 2 - 2 1 -	11 8 - 2 -	1111111
Battersea	54675 52587 36380 28004 18235 25553	42 42 22 22 7 20	15 20 7 15 9 12	5 6 1 4 2 5	1 6 3 3 3 1		3 2 1 2 - 2	11111	13111	1 1 1 -		111111	11111	1	2	1 2 1 - 4 2	90121	1
vich L. $\&$ S. berwell $W \not \omega L * L * S$. $\&$ L. tham $W S$. $\&$ L. $\&$ S. begree Camberwell - L. $\&$ S.	5590 59104 71089 50810	2 41 34 46	26 21 12	- 5 5 5	3 4 1		1	- 1 - 1	-	1 1 -	1	1111			111	1 2 1	15	1
Paul Deptford www K. Nicholas Deptford K. nwich West H K. spwjeh East WHH K.	76752 7901 21972 24608	52 9 13 13	37 1 3 18	10 2 1	3 - 5	1 6 1 1	3 -	2 - 1	4 -	3 -		1111	1111		ī :	6 1 - 2	7 - 13	2 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	2 5 7 21	444	1 1 2	2 1 -	1 1 1 1			1 1 1 1	- 1		1111		1111	- 1	1 -	1 1 -	1111
thon H/I K. which bookyard K. which Arsenai HH K. mstead, West H K. mstead, East W K.	10930 17617 19048 14009 19241	5 6 31	5 5 4 15	1 1 1 1 5	1 - 3	11111	-1111	1 1 1 1	1 -			1111	1111	1111	1	1 -	- - 7	1,
ropolitan Asylum Hospitals: Dartford w Winchmore Hill w	=	1 = 1	-		-	-	-		-				-	-	1 1		-	-

o following Workhouse Establishment are indicated in the above Table of o (see note at foot of preceding page):-

Table 6 .- LONDON .- OUTER RING .- Area; Population; Births and Deaths registered during to Week ending Saturday, 31st May, 1890.

					eek er	1	Java	- day,	3100	Litay,							
Regis-		Area in						1 2	The Di	EATHS	registe	red in	the W	Veek in	nelude		
tration District		Acres, inclu-	Enume-			Dea	ths of				Deaths	from					
and	REGISTRATION	ding Tidal	Popu-	rHS.	DEATHS.	9r H	i 60 wds.		1	1 .		ugb.	1			4	Publio
Sub- district	SUB-DISTRICTS.	Water	lation,	BIRTHS	DEA	under of Age.	aged & upw	, i		Feve	ria.	18-6		3	٠	Case	
Num-		Fore-	1881.			Infants Year	Persons Years 3	Small-pox.	Measles,	Scarlet Fever.	Oiphtheria.	Whooping-cough	Fever.	Diarrhoss	Violence.	Inquest Cases.	Deaths in Pul
bers.		shore.				Info	Per	Sm	Me	Sca	Oip	Wh	Fev	Dia	Vio	Ing	Dea
LON	DON -OUTER RING	370,924	950,957	666	379	94	101	-	20	1	3	20	. 1	6	15	20	40
80:1	Carshalton wL -	12228	21118	21	16	2	5	~	_		_			_	1	1	6
2	Epsom (part of)* WwH	9971	10710	6	5	-	3	-	- ,	-	-	~	-	-	-	-	4
37:1	Godstone (part of) * -	2754	1235	-	1-		-		-	-	-	-		-	-	-	-
38:1	Croydon Ww L - Mitcham w †	20851 11697	101241 17982	50 7	37	6	11 2		7 _	7	1	1		-	2.	3 -	5
89:1	Wimbledon HHH -	3220	15950	11.	8	-	1	-	. /	-		-	-	1-	_	ı.	-
2 8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	27	11	8	2 2	7 4		-1,	~		-	, ,	-	1	-
4	Hampton H	4573	13539	6 8	3	1	1	-	y -		-		1	, ,	-	-	
40:1	Richmond WH	2272	21302	9	6	i	2		-		-1	-1	-	8 <u>-</u>	-	-	-
2 41:1	Mortlake Bromley (pt. of) * HH	2941 15669	12331 81142	18	3 9	1	1 5				-	1		-	1	1	
2	Chishrst(pt.of)* WHH	14807	15844	2	3	1	1	-	-		-	/ -	(-1)			1	-
42:1	Bexley H	18487	24134	16 .	8	4	2	-	. -	-	-	1	-	1	1	8	-
124:1	Dartford (Ww, pts. of)*: Sunbury w	11055	11685	9	1			_						-	-		1
2	Staines W	13277	12089	9	6	1	3	_	-		1-1	, -	125	-	-	-	-
125:1	Hillingdon WHH -	6029	10802	4	8	1		-	-	-	-	-		-	#	-	-
8	Uxbridge Hayes wHL	6178 14587	5225 11523	9	2 2	1		_	1	-	-	-				_	
126: 1	Isleworth WHH -	7008	22727	14	7	3	. 2	49	.,1	1	-	1	_		.,	4-	1
2 3	Twickenham H Brentford HL	2477 4845	12479 27649	13 22	5 7	1	4 2	-			_	3	-	-	1	1	-
4	Chiswick	1840	15975	10	14	2	1.	~	-		-	-	-	-	-	-	-
127:1	Acton wH	6088 13809	22876 12796	7	5	2	1		-		. 7			1	1,	1	-
2	Edgware H	6994	8749	7	1 1	-	_			- T		- 4		7. T		-	
. 8	Willesden	4383 8382	27453 10484	20	16	4	2		2	-	-	1,1		-	-	-	-
137:1	Bushey	9831	6621	10 1	9	1	3		-								4
,2	Watford (W, pt. of) -	- -		-	_ 4	-			,~	-	-	-		-		-	-
128:1	South Min.ms	158 99 54 88	6391 10092	2	4	-	1			-	-	-		-	-	1,41	-
. 3	Finchiey HL	4638	17615	7 11	6	-:	3 1	- 6	7	-	43	1	-	-	1 -	-	2
185 : 1	Hatfield (part of) * -	8806	583	-	1	-1	1	- 1	-	-	-	-"	-1	-	1-,		-
199:1	Hornsey H Tottenham H	3089 4642	87078 46456	19	14	2 14	2		. 1	-	7	-	-	-	-	-	-
3	Edmonton Ww -	7458	23463	42 15	36	7	7 2		1	-	1 -	3	-	2	1 -	1 -	2
5	Enfield WH Waltham Abbey	12658 11017	19104 5368	12	12	4	1		-	-	-	1	-	1	1	2	3
6	Cheshunt	8480	7785	2 7	1	1 -	-		1		1 -	-	-	-	-	-	-
186:1	Stratford	882	38606	81	7	-1	4	-	-	-	-	-	-	ω,	-	-	-
2 8	West Ham wwH = -	4055 3296	90347	98	40	14	7	-	-	-	-	3 2	-	1	2 -	2	-
4	Leyton WwL	4372	32480	36	20	6	7	-			-	2	-	-	-	-	9
187:1	Walthamstow H - Chigwell (part of) * H	6520	28869 9669	85 1	18	2	6	-	1	1	- 2	8	-	-	1	1	-
2	Epping (W, pt. of)* -	11/01	2009	-	3	-	1	-	11	-	-	-	-	1 -	-	-	1
189:1	Romford (part of) * W	6730	3411	1	3	-	-	-	-	-		-	4		-	-	1
2 3	Barking Town	8493 4127	9203	7	5	-	1 -	-	-	-	-	-	-	-	1	ī	-
8	Barking Town	4127	9203	7	5	1 -	-	-	-	-	-	-	-	-	1	1	-

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone: district; 39:3, Esher sub-district, except the parish of Esher (pop. 1293); 41:1, Bromlay sub-district, except the parish of Cadham Knockholt (pop. 1818); 41:2, Chistehuret sub-district, except the parish of Chelsfield (pop. 247); 135:1, the parish of Nortnaw in Hatisub-district, except the parish of Theydon Bois (pop. 375); 139:1, the parish of Dagenham in Romford sub-district law: 1, the parish of Dagenham in Romford law: 1, the parish of Dagenham in Romford law: 1, the parish of Dagenham in Romford

Asylvim Hospital, Winchmore Hill (see Table 5).

| On let January the two parishes of East Ham and Little Hord were separated from the registration sub-district of West Ham, and we constituted the registration sub-district of East Ham.

BLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 31st May, 1890.

				ANNUA	L RATE			The DE	ATHS	regi	stered	l in t	he W	eek i	inslud	le	
GRE	ATER	Area in Acres,	Estimated		TALITY 0 living.	DEATHS	Deat	hs of			1	Death	s fro	m			ablie
LON	LONDON. fo	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.	Deaths in Public Institutions.
	Cols.	1.	2.	3,	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
TER	LONDON	448,334	5,758,500	16*2	2.4	1790	443	391	-	103	15	28	98	5	16	79	368
	London -	77,410 870,924	4,421,661 1,336,839	16·6 14·8	2.2	1411 379	349 94	290 101	-	83 20	14	25 3	78 20	4	10 6	64 15	328 40

rs.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,051 Persons.

			,			DE	ATHS	FROM D	PRIN	CIPAL ES.	ZYMOT	_
CITIES.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhocal Diseases.
DUTTA BAY	433,219 773,196 398,777 {	April 5 May 13 April 11 18	241 341 356	365 330 370	20·5 43·0 48·2	7 3 -	9 19 13	1 2 2		2.2	125 122 151	19 32 34
is - • • • • • • • • • • • • • • • • • •	2,260,945 477,288	May 24	1195 272	1068 180	24.6 20.1	2	59 4	8 -	36* 1	5	8 2	75 16
TERDAM - HAGUE -	406,302 203,486 156,497	, 24 , 24 , 24	272 145 96	183 78 54	23°4 19°9 17°9		1 - -	- 1	25	2 - 1	2 - -	-
ENHAGEN - OKHOLM -	\$12,387 236,350 143,300	24 33 17 24	194 122 62	145 88 59	24°2 19°4 21°4		5 - 1	- 2 1	9 5* 2	3	1 . 1	20 12 4
ETERSBURG	924,466	" 17 " 10	923	538	30°3 22°1	1	37 17	17	11 17	4	11 2	53 46
IBURG(State)	1,526,887 575,276 269,250	, 17 , 17	468 158	654 · 268	24°3 25°5	-	4	1 2	11 6*	5	3	14
SLAU	324,143 298,000	24 24	218 253	189 144	30·9 25·1	-	1	2	5* 3*	1	1 -	29 26
GUE	822,176 314,425 463,017	,, 24 ,, 24	510 - 383	419 175 299	26°5 29°0 33°6	1	23 8 3	2 2 3	8° 4 16	S -	3 5	48 5 30
ESTE -	160,092 418,217	,, 24 April 26	90	71 179	23.1		- 11	1	4*	2	- 5†	1 7
un (11 days)-	314,827 156.515	, 10 May 10	62	68	22.7	4	-,	-	3*		4	4
RO	374,838 231,396	33 8 31 8	342	320 172	44°4 38°7	3	=		2* 2*	1 2	27 8	101 40
W YORK - OKLYH - LADELPHIA -	1,595,547 859,612 1,064,277	, 10 , 10	-	739 303 367	23°9 18°4 18°0	,	26 6 3	8 2 5	28 15 5	8 3 4	3 1 17	23 2 1
TIMORE . W ORLEANS -	500,343 254,000	, 10 , 17 April 26		199	20.7	-	8	2	-1	-	8	13

^{*} Including deaths from croup. † Including 4 deaths from malarial fever.

TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the Royal Observate X, 3. OH, during the Week ending Saturday, Max 31sr, 1890.

-	Rain	in a Gauge whose receiving Ozone.		0.0	0.0	0.0	0.0	0.0	0.0				0 0	a Tio mis	4.4.8.0	-2 2	ž	200	The	o di	22
-	Rain — collected	n a nge nose iving						-		0.0	0.0	27	ea; n	ussic r, an	duce Lygr	raph	, and	belc n an	H 83	, show to the	721
		Ga W]	surface is 5 inches above the Ground.	in. 0.00	00.0	00.0	00.0	0.00	20.0	00.0	Sum 0.07	26	of the sea; no means of the	n a disc aromete mean re	re of the are de sher's E	photograph tal mov	higher,	Wo feet Deptforcours ons from	cometer.	rument	d to 29
			Departure from Average of 16 Years.	Miles.	+ 79	+ 95	+ 16	+ 20	+180	oo +	Sum +481	25	n level o	ulb therced from the parties of the	operatural distribution of the control of the contr	n of the	licates '	th of triket at I	g Electierate; s	Sunshine Instrument, nderstood as applying t	of the we
97	on and	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	326	342	202	266	425	253	Sum 2204	24	e the mearel.	the wet b bions dedu ing 1873 f 7ith the co	ue of ten gree of h nometers	discussion of that of	hat + inc	l at a deptation of a second s	registerin	es Sunsh e underst	eginning on 28th;
ometer	Tomerer	16	Mean of 24 hourly obs.	lbs. 0.3	1.0	0.0	0.0	0.0	0.5	0.0	:	23	t abov sea lev P.M.;	r, and corrections end	ly val	rom a 868, an	pind t	pendec eign C arket,	s self weak	11-Stok	t the h
m Anem	п Апеп	Pressure on the Square Foot.	Least, h	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fee 1ce to ; n; 3h.	ion of aty yes	un dai	ived f	ne in i	he For	omson ve; w,	ampbe n day.	82 in. 8
ond fro	iced iro	Presst	Great-	lbs. 1	9.1	7:4	0.1	1.5	3.0	1.4	:	21	to reduce to the state of the s	therm plicat therm therm	ie mer empera	ears er	be bor	ames a sof to	om Th	the C on eacl servati	om 29°
Wind on deduced from Anemometers.	Wind as dedi	Osler's.	P.M.	E. & NE.	NNE.	NNE. & NE.	NNE. & SW.	WNW. &			NNW.	20	the baromene readings in at 9h. A.M.	he dry bulb les by-the ar de during the 1868 for the	forming the lew point to the dry an	the air is the ing the ing the 20 y	d 25 it will	er of the The of the jettie by the Clea	derived frostive; N.	crived from it sunshine rological ob	decreased freed to 29.97
603		General Direction.	A.M.	ENE.	NE.	NNE. & NE. NI	N.	WSW. &			NE. & N	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. Observations are usually taken at 91. A.M.; noon; 3b. P.M.; and 9b. P.M. The means of the	eye-readings of the barometer, the dry bulb thermometer, and the west bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1573 for blue barometer, and chink the records made during the twenty years ending 1586 for the barometer, and the correction mean reading the twenty was ending 1586 for the thermometers. With the correction mean reading the correction mean reading the correction of the man reading the correction of the mean reading the mean reading the correction of the mean reading the mean	the try bury of termometers forming the mean daily white of temperature and minimum thermometers, forming the mean daily white of temperature of the after colonns 18. The mean daily dew point temperature and degree of funnithy are declared from the mean daily values of the day and were bulb thermometers by classier's Hypro-	The rical 1 alone between the photographic received from a discussion of the photographic records made at Greenwich during the 20 years ending 1808, and that of horizontal movement records made at Greenwich during the 20 years ending 1808, and chart or realization.	or the art from a disclusion of the anamonicary records for the to reading the columns for the artificial to the anamonicary and 25 it will be borne in mind that + indicates "higher," — "lower," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jettles of the Provision Cattle Market at Deptford, and their regalings are registered by the Clerk of the Market, under instructions from the	Corporation of London. The record of Electricity is derived from Thomson's self-registering Electrometer, symbols employed are :—P. positive; N. negative; w. weak; m. moderate; s. strong; v. variable.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the augmentate duration of bright sunshine on each day. The results of all the mereovological observations are to be understood as applying to the	eryil day, or from minimize the Ornstringsh. The reading of the barometer decreased from 29.52 in. at the beginning of the week to 29.73 in. The reading of the barometer decreased from 29.52 in. by the rane of the 28th; decreased to 29.75 in. by Sh. ran, on the 28th; increased to 29.97 in. by the rane of the 28th; and compared to 29.75 in.
7 2		Vater names ford.	Low-	50.4	9.69	9.09	60.1	59.9	50.6	58.9	1.69	182	ht of t	into m ograph twent	num t The	ables.	ng the	momet at the	n of Le	ate du	ing of the
TITE R	LOKE	Of the Water of the Thames at Deptiond.	High-	9.09	1.19	61.1	9.09	60.5	80.5	20.4	60.5	17	e heig	erted erted e phot	minin minin min 8)	ical Trees	readi	surface read	oratio ne rece bols er	aggreg	day, che read
The Astron ne	MPERA		Lowest on the Grass.	0.44	87.9	9.08	34.9	37.0	36.0	31.4	0.98	10	Corre OD	conv of th	and (colu	recol	9 I	the the	Syll Ex	the	Civil TV
to of the	31	Of Radiation.	High- est in Sun's Rays.	0 188.1	6.171	0.5%1	132.0	0.97	0.611	118.1	131.0	15			partially	eloudy			rwards, night.	eloudy	
renden		Degree of Hu- midity (Satu-	ation quals 100).	09	63	61	69	1 89.	73 1	61 1	65	14	rô.	ards.	and p	artially			ne affe	artially	
perin	reen	nt nt s	Least.	9.0	4.0	0.0	0.0	8.0	0.0	4.4	1.4	13	LARK	afterwards.	fine	ng ; bu			ing; fi	ng; b	
the M	nce betw	Dew Poi	Great-	0.13	0.55	23.3	18.8	22.4	17.6	55° 53°	1.12	12	L REN	cloudy	morning;	y morn t night.			n morn evening	y morn t night,	
Under the Superintendence of the Ast. 7: ner	Differen	and Dew Point Temperature.	Mean daily	· 0 14.1	12.5	6.71	10.1	10.4	8.4	13.5	11.6	F	GENERAL REMARKS	evening; cloudy	13	in earl			rain ir dy till	in earl	
		Of the Dew Point.	Mean daily value.	50.5	40.0	39.5	41.9	44.3	14.5	33.1	₹5,45	10	GED	fine till e	t in er	Ioudless ig; clou	loudy.	fine.	t with	oudless	
5	KE.		De- parture from A verage of	0 %	3.3	7.5	4.5	- 2.1	- 4.1	0.8	6.2 70	6		Very fin	Overcast in encloudy afterwards.	Fine: cloudless in early morning; partially cloudy	Fine; cloudy.	Cloudy; fine.	Overcast with rain in morning; fine afterwards, but partially eloudy till evening; cloudiess at night,	Fine; cloudless in early morning; partially cloudy till evening; cloudless at night,	
		ń	Mean daily value.	64.3	55.8	52.1	0.52	2.40	52.9	40.3	0.49	00	above izon, ours.	16.0	0.91	1.91	10.1	1.91	10.5	16.9	Sum 112.7
TWAGEGRA	EMPE	Of the Air.	Daily Range.	0 52.6	2.02	23.2	8.61	1.76	0.53	20.2	22.0	7	Registered Sun above Sunshine, Horizon, in hours.	16	9	91	97		370	10	
			Low- est.	0.12	0.77	41.1	43.3	45.0	0.44	39.5	44.0	9	degister Sunshin in hours	13.7	8.6	2.00	4.7		00	\$	Sum 51.9
		7	High-	9.94	64.2	9.79	63.1	67.1	0.99	0.09	62.9	16	===	:	on; ter-	E ta	•		at the	ng:	
BARO.	METER.	Mean daily reading (cor-	rected and re- duced to 320 Fahren- heit).	in. 29-7-23	29.756	20.811	20.038	20.015	25.816	29.973	148.63	4	ELECTRICITY. (For explanation of symbols, see Note.)	-	w. P., till afternoon; w. N. and w. P. afterwards.	w. N. and w. P. till evening; m. P. at night.	w. P. generally	w. N. and w. F.	and w. P.	in morni	
		Phases of the	-		Fir	:	:	In In				65	Fire (For er	W.P.	w. P. t wards.	w. N. evening;	W. P. g	W. N. 8	w. N. and w. P. ti	m. P. in morning; w. N. and w. P. after-	wards.
		0.	AMB.	F	. 26	- 27	86	. 29	30	31		Jol	ei .	22		. 27	28	. 23	8,	-	4
		1890.	Менти Анж DAY.	MAY.	Mon.	TUES.	WED,	THURS.	FRI.	SAT.	MEANS	No. of Col	DATE.	SUNDAT	MONDAY	TUESDAY	WEDNESDAY	Thursday	FRIDAT	SATURDAY	

OFFICIAL COPY.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND II

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Negistrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 23. 1890. Vol. LI.]

WEEK ENDING SATURDAY, JUNE 7.

[Price 11d.

General Register Office, Somerset House, 9th June, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18:0 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks	ending	11		1	Weeks	ending	
Towns.	May May 17. 24.	May 31.	June 7.	Towns.	May 17.	May 24.	May 31.	June 7.
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Derby - Halifax -	11.9 21.8 19.9 17.2 22.8 21.5 32.4 23.4 22.5 18.4 13.1 15.6 19.1 14.6 19.2 20.1 24.3 24.8 17.8 24.2	15·5 19·4 22·1 16·3 17·3 15·5 13·4 16·5	16 · 6 18 · 1 29 · 3 18 · 0 17 · 7 11 · 0 18 · 3 20 · 2	Liverpool London Manchester - Newcastle-on-Tyn Norwich - Nottingham - Oldham Plymouth - Portsmouth - Preston	17·3 35·0 25·9 20·2 15·5 18·5 17·2 16·0 22·3	19·1 15·8 17·4 15·9 14·6 18·3	16·6 28·7 25·9 15·3 11·7 17·1 15·2 16·4 23·8	16·4 28·0 27·2 17·5 15·8 18·5 13·9 16·0 22·3
Huddersfield Hull Leeds - Leicester -		19·9 17·8 17·9	17·1 14·6 20·8	Salford Sheffield Sunderland - Wolverhampton -	26·8 28·6	20·2 22·1 26·7 15·0	21·5 19·5	23·7 17·2

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·1 in London, 1·3 in Plymouth, 1·6 in Liverpool, and 3·1 in Derby; from scarlet fever, 1·4 in Bolton, and 1·5 in Liverpool; and from whooping-cough, 1·0 in Derby and in Newcastle-upon-Tyne, and 1·1 in Oldham. The rate from "fever" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 31 deaths from diphtheria included 20 in London, and 2 in Salford. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2399 births and 1393 deaths were registered. Allowing for increase of population, the births were 300, and the deaths 68, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes was 16.4, and showed a still further decline from the low rates in recent weeks. During the past ten weeks of the current quarter the death-rate averaged 17.6 per 1000, and was 1.5 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

The 1393 deaths included 91 from measles, 11 from scarlet fever, 20 from diphtheria, 75 from whooping-cough, one from typhus, 7 from enteric fever, one from an ill-defined form of continued fever, 8 from diarrhea and dysentery, one (of

[•] The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

an infant) from cholera, and not one from small-pox; thus, 215 deaths were referred

to these diseases, being one below the corrected average weekly number.

No death from *small-pox* was registered, the corrected weekly average being 16; seven cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had been 94 and 83 in the two previous weeks, increased again last week to 91, exceeding the corrected average by 22; 4 belonged to Paddington, 13 to Kensington, 5 to Fulham, 5 to Marylebone, 4 to Pancras, 16 to Islington, 4 to Hackney, 4 to Newington, and 10 to Lambeth sanitary areas. The fatal cases of scarlet fever, which had declined from 17 to 14 in the three preceding weeks, further fell last week to 11, being 16 below the corrected average; 2 belonged to Poplar sanitary area. The Metropolitan Asylum and London Fever Hospitals contained 1133 scarlet-fever patients at the end of last week, the numbers in the two previous weeks having been 1067 and 1089; 141 cases were admitted during the week, against 106 in each of the two preceding weeks. The 20 deaths from diphtheria, though fewer than the numbers in the four preceding weeks, exceeded the corrected average by 2; 2 belonged to Islington and 2 to Bethnal Green sanitary areas, while 2 were of patients in the Children's Hospital at Paddington brought from Willesden, in the Outer Ring, The deaths from whooping-cough, which had been 91 and 78 in the two previous weeks, further declined last week to 75, exceeding the corrected average, however, by 22; 4 belonged to Kensington, 4 to Pancras, 8 to Islington, 3 to St. Giles, 8 to Shoreditch, 3 to Stepney, 4 to Poplar, and 3 to Bermondsey sanitary areas. The 8 deaths from diarrhaea, of which 7 were of children under five years of age, were fewer than the number recorded in any recent week, and were 13 below the corrected average.

The deaths referred to enteric fever, which had numbered 8, 6, and 3 in the three preceding weeks, increased again last week to 7, being, however, 3 below the corrected average; 2 belonged to Pancras and 2 to Battersea sanitary areas. The death from typhus occurred in the South-Eastern Hospital at Deptford, and was of a labourer, aged 42 years, who had been admitted to the hospital from 17 (6th block), Barnham Street, Horsleydown. The Metropolitan Asylum Hospitals contained 51 cases of enteric fever, and 3 of typhus, on Saturday last; 11 cases of enteric fever were admitted during the week, against 5 in each of the two

preceding weeks.

The deaths referred to diseases of the respiratory organs were 229, being 18 below the corrected average, and showing a further decline from the numbers in

recent weeks.

Different forms of violence caused 50 deaths, concerning all but 3 of which inquests were held. Of these 50 deaths, 12 were cases of suicide, while 38 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 2 (including one of a house-painter from lead-poisoning) by poison, 3 by drowning, and 11 (including 10 of infants aged under one year) by suffocation. The death of a female, aged 33 years, was referred, after inquest, to "mania following administration of nitrous oxide gas "15 days previously, bronchitis and exhaustion" (Post mortem).

GREATER LONDON. De de la

In Greater London 3210 births and 1742 deaths were registered, corresponding to annual rates of 29°1 and 15°8 per 1000 of the estimated population. In the Outer Ring 26 deaths from measles and 20 from whooping-cough were recorded. The deaths from measles included 7 in Tottenham, 6 in Croydon, and 4 in Isleworth sub-districts. Six deaths from whooping-cough were registered in the district of Edmonton and 6 in that of West Ham.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during April will be found on pages 233-234.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.83 ins.; the lowest reading was 29.69 ins. on Wedn day afternoon, and the highest 30.17 ins. at the end of the week. The mean temperature of the air was 56°.5, and 1°.5 below

the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Thursday, but was below the average on every other day of the week. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 13.0 miles per hour, which was 2.7 miles above the average in the corresponding weeks of 16 years. Rain fell on Wednesday to the amount of 0.31 of an inch. The duration of registered bright sunshine in the week was 25.1 hours, against 27.3 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of May 1890; according to their returns 179,880,869 gallons or 817,281 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 236 gallons (107.2 decalitres), rather more than a ton by weight, to each house, and (assuming 7.8 persons to each house) 30.3 gallons (13.8 decalitres) to each person, against 28.7 gallons during May 1889.

COMPANIES.		Houses, &c.	Average daily S in Ga	upply of Water
	MAY.	MAY.	MAY.	MAY.
	1889.	1890.	1889.	1890.
TOTAL SUPPLY	750,954	762,057	168,223,098	179,830,869
From Thames	361,988	367,610	84,305,006	90,013,013
	388,966	394,447	83,918,092	89,867,856
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,922	35,370	9,708,123	10,158.615
	71,647	73,042	15,766,945	16,570,909
	110,993	112,134	23,761,913	24,758,404
	55,416	56,142	17,295,625	19,720,185
	89,010	90,922	17,772,400	18,804,900
LEA AND OTHER SOURCES. New River East London Kent	152,234	153,288	30,634,000	33,675,009
	164,686	167,283	41,011,349	43 283 780
	72,046	73,876	12,222,743	12,909,076

Note.—The Return for May 1890, as compared with that for the corresponding month of 1889, shows an increase of houses, 11,103 and of 11,657,771 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATER SUPPLY DURING MAY.

Water-analysis Laboratory, The Yews, Reigate, 4th June, 1890.

SIR, I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of May.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0.6, New River 0.7, East London and Tottenham 1.1, Colne Valley 1.5, Grand Junction 1.9, West Middlesex 2.2, Southwark 2.6, Lambeth 2.7, and Chelsea 3.1.*

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, in every case, efficiently filtered, and had a degree of freedom from organic matter nearly equal to that of the high class samples examined in April.

The water obtained chiefly from the River Lea by the New River and East Loudon Companies was also efficiently filtered, and was, in both cases, of a high degree of organic purity.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of a high degree of organic purity. All these waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, all the Thames-derived waters were clear and very pale

yellow, whilst the remaining samples were clear and colourless.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "very slightly turbid and greenish blue in a two-foot tube. The organic elements

^{*} By a printer's error the proportional amount of organic impurity in the April sample of the Chelson Company's water was stated as 3°3 instead of 2°3.

" were not very materially different from those of the last few months, the nitric nitrogen, how-" ever, was considerably larger. The physical characters of the sample were better than usual." Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little " suspended matter. The hardness was unusually low."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

or	Companies Local Authorities.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitratesand Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.	May 12th, Cab Rank, Horse Guards, Whitehall.	° 12°3	25.24	*154	•031	0	172	*203	1.9	18:9
	West Middlesex -	{Cab Rank, Portland-road.}	14.0	25.84	.100	.027	0	.184	211	1.9	19.1
	Southwark	May 12th, Cab Rank, Bricklayers Arms, Old Kent-road.	13.4	26.84	•120	•032	0	•177	*209	1.9	19'4
Inner Circle.	Grand Junction -	May 12th, Cab Rank, Uxbridge-road, near Marble Arch.	13.5	27.00	*094	•021	0	174	195	1.9	20.0
Inner	Lambeth	May 12th, Cab Rank, St. George's- road, Southwark.	12.6	27.04	•117	.040	0	•187	•227	1.9	20.0
	LEA. New River • -	May 12th, Cab Rank, Tottenham Court-road.	13.0	27.64	•027	*015	0	•237	•252	1.8	20*9
	East London -	May 12th, Fire Brigade Station, Commercial-road, E.	13.2	27.94	.048	·014	0	*214	•228	2.0	20.6
9	DEEP WELLS.	May 12th, Mill Lane, Deptford.	12.1	43.70	*025	.008	0	*346	*354	2.6	32.1
Circ	Colne Valley	May 27th, Bushey.	-	19.84	.070	.018	*009	*386	•411	2.2	10.6
Outer Circle	Tottenham	May 27th, Tottenham.	_	40 66	.048	•019	.060	•022	.090	3.0	23.0
	poration of Birming-	May 5th, 75, Navigation-street,	11.1	25.06	·123	.027	*002	•380	•408	1.9	12.0
Con	poration of Glasgowt-	{ May 15th, Loch Katrine Water. }	9.6	2.4	•121	.024	0	.003	.027	•70	0.75
	Column 1.	2.	3.	4.	5.	- 6.	7.	8.	9.	10.	11.

* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is be to read thus:—the Chelsea Company's water, collected on the 12th May, at the Horse Guards cab-rank, had a temperature of 12° 3 C.; 100,000 lbs. of it contained 25 24 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained 154 lb. of carbon and 131 lb. of nitrogen. The above quantity of water also contained no ammonia, and 172 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 203 lb. The above weight of water also contained 1.9 lbs. of chlorine; and 18.9 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

1							_			, 616	_								00		_										-
		CITIES AND BOROUGHS,		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON.	BIRMINGHAM,	LRICESTER.	Nortingham.	DERBY.	LIVERPOOL.	Borrow.	MANCHESTER.	SALFORD.	OLDHAM.	PRESTON.	HUDDERSFIELD.	HALIPAX.	BRADFORD.	SHEPETELD.	HULL.	SUNDERLAND.	NEWCABTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	DUBLIS.
	TALE.	-iżneC		24.	94.0	64.0	00. T		1.27	0.41		1	0.20	1	1.02			1	8	1 1	1	1	0.43	1 1	99.0	ı	1		94.0	1.45	77
ı	RAINFALL	ppes-	ul al	23.	0.30	0.31	19.0	1	0.20	91.0	ı	•	0.55	1 1	0.40	í	1	1	ı	1 1	1	1	0.17	1 1	0.55	1	1	ı	0.30	75.0	40
Ara		i .sbsr	SitneU	22.	2.28	19.61	77.71		12.56	11.44	1	1	2.53	1 1	12.17	,	1	-1			1	,	44	1 1	22		1	1	12.94	12.17	
THE THE		theit.	E'ahrei	21.	54.1 1		6.50	à	54.6 1		1	_	54.0	1	53.9			,		1 1	1	8	54.4 12	1 8	54.0 12	1	ı		55.3 12	53.9 12	
TEMPERATURE OF THE AIR	=	Lowest.	heit.	20.	35.9		0.14	1	43.5		1		35.0	ı	43.8			1	1	1 8	4	1	00	1 1	39.0	1	1	1	39.8	39.2	=}
'empire	-	Highest	Fahrenheit	19.	1.02		0.40	,	66.8 4		1			1	~			2	1	4 2	1	1	0		36 0.49	-			67.1 38	65.1 36	
Rate T	ading -	og mi ses in 6-12.		18.	2.3		9 2.0	1.6	9 9.7		2.3	-		27.50			6.8	6.5	1.1	4.0	1.1	9.0		6.1			1.3	1.3.	1.5 67		20 20 20 20 20 20 20 20 20 20 20 20 20 2
nnnal	corresponding to the	M M M M M M M M M M M M M M M M M M M		17.	18.0		1.21		13.9		16.6			20.5	-		28.0			1.81		0.17		8.03	_		27.2	18.3	16.9	27.3	8
-	da	sollided sollio		16.	63 1	6		3 1	1 1		3		-	21 0		-		8	7) 60 1	2 17	- 23		21 0		_	127	18	-		
		Tublic Public Structions.	Inel	16.	626 6	331	7	90	10 es		35	ود	=	4 5	42 1		45		e3 7	G 00	1	70		14			12 1	00	10 16		59
	-	*SasU des		14.	235	801	1 4	63	1 64	1 1	12	ော	49 1	o n	91	9	16	9		<u>ं</u> स ।	- 00	61	ج	= 1	ا د	4	10	4		0. (00
- opu	-	nce.	olofV	18.	112	50 1	1 67	64	1 -	1	00	67		27 -		67	1-	21	Н :	21	0.1	21	48		÷ -	-	-	67	67	11	ت
le ineli	-	рово	rraid	12.	42	00	1 1	63	1 -	1	63	1	ı	1	1 6	1	7	4	1	1 1	-	-	47	4 1 1	۰,		-	1	6.2	10	4
The Dutenne verisions of the Wesk include		•:	Ester	H	21	6		1	1 1	1	1	ŧ	1 ,	-	1 67		. 63	-	1 -	- 1	t	1	1	-	1 1	1	1	1		1	4
and time	from	-Zeiqe	noo MApoc	10.	115	12 c	N 1	-	03	1	. 00	1	1	67	1 10	1	10	67	co	1 1	г	ı	1	20 0	21 -	1 1	60	-	85	16	ı
100	Deaths from	.airad	Diph	9.	31	20	1	1	- 1	1		1	1	- 1		4 8	Н	61	1	1 1	1	1	1	1	1 -	- I	1	-	1	1	
0.21 (6)		.19	Searl	80	26	11	-4 °y	1	1 6	1 1	9	Н	ı	1	1 00	9 00	4	1	1	1 (1	ı	1	67 1	ů,	1 1	1,	1	1	4	1
he Da		.89	Mean	7.	141	22.	- 1	1	63 -		9	1	-	9	1 6	3	. 63	г.	6	1 3	1	1	1		ء د	4 \$	ı	H	-	26	1
6		.xoq-	Ilam2	6.	1	1	1 1	1	١ ١		1		ı	1	1	1 1	ı	\$	1	1	1 1	1	t	1	ı	1 1	1	1		1	1
	saths of	ears cars wards.	X 09	6.	683	280	10	10	9 61	900	32	12	23	9	900	83	29	14	9	0 01	9 00	20	16	36	20 1	- ×	14	4	26	44	38
	Deat		V	4.	720	285	م و	6	44 0	. 4 €	37	9	17	0	9	9	42	18	10	00 0	0 00	22	22	32	29	# 9 9	96	12	13	909	24
-	during		DEATES.	ဗင်	3350	1593	42	F 63	161	21	147	34	7.4	39	68	652	204	103	22	25. H	31	88	83	145	151	45	100	41	SS	278	145
	Registered during the Week ending	7th June, 1890	BIRTES, D	01	5970	2399	55 E	7.1	000	100	267	11.7	140	40	69	666	359	189	99	98	72	54	143	254	220	100	134	200	156	369	182
A STATE OF THE PERSON NAMED IN COLUMN NAMED IN	POPULATION	cotimated to the middle of the Year	10381	1.	9,715,559	4,421,661	128,659	142,952	78,780	232,248 83,406	461 865	154,344	244,909	100,871	105,049	115 846	879.487	242,509	146,716	123,553	94,253	82,034	240,515	363,799	332,837	126.506	162,987	117,012	271.185	530,208	353,082
		CITIEB AND BORUGHS.		Cols.	28 TOWNS	TONDOM .	BRIGHTON	PORTSMOUTH	PLYMOUTH .	BRISTOL . WOLVERHAMPTON	The state of the s	LEICESTER	NOTINGHAM .	DERBY	BIRKENHEAD .	LIVERPOOL .			OLDHAM .	BLACKBURN .	HUDDERSFIELD -	HALIFAX	BRADFORD		SHEFFIELD .	"	NEWCASTLE .	CARDIFF	EDINBURGH -	GLASGOW .	DUBLIN -

Table 2. LONDON .- Births and Deaths Registered in the TWENTY-THIRD Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2736	2358	2476	2608	2098	2464	2476	2781	2430	2523	2698 • 9	2399
	1406	1204	1247	1352	1101	1259	1287	1422	1225	1299	1396 • 0	1231
	1330	1154	1229	1256	997	1205	1189	1359	1205	1224	1302 • 9	1168
Total Deaths Males Females .	1294	1346	1369	1400	1458	1315	1277	1414	1219	1306	1461·0	1893
	675	709	728	725	750	662	666	752	637	675	761·0	783
	619	637	641	675	708	653	611	663	582	631	700·0	660

^{*} The numbers in this column are the average weekly numbers in the twenty-third weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON.	-Birth	s, DE	ATHS,	and I	METEC	KOTO	GX 111	the .	Last	THIEL	EEN	WEEK	.5.
	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.
TOTAL Births -	- 2717	2534	2548	2329	2360	2935	2538	2613	2308	2468	2443	2091	2399
Total Deaths	- 1771	1637	1571	1419	1619	1611	1567	1533	1469	1466	1451	1411	1393
Ages at 0-20 years 20-40 ,, 40-60 ,, 60-80 ,, 80 years & upwai	- 776 - 196 - 303 - 404 ds 92	729 193 296 342 77	743 204 264 309 51	657 183 239 285 55	774 204 275 308 58	782 177 282 291 79	742 197 255 313 60	721 210 227 305 70	712 170 243 274 70	707 178 261 257 63	739 166 235 239 72	713 186 222 244 46	667 186 250 235 55
"" {Under 1 year 1-5 5-20 -	- 392 - 271 - 113	381 270 78	366 304 73	310 253 94	372 298 104	356 322 104	369 286 87	337 294 90	360 251 101	339 266 102	335 307 97	349 250 114	285 280 102
Deaths from Small-pox " Measles - " Scarlet fever Diphtheria " Whooping-cot " Typhus - " Enteric fever " Simple Contafe " Diarrhea an Dysentery " Cholera - " all the above mentioned Disease " Dis. of Respires tory Syster	3 ever 1 14 - 182 - 182 - 1 447	45 11 23 76 - 7 - 14 - 176 381	45 10 30 101 -7 1 13 - 207	- 35 8 20 84 - 2 1 10 - 160 296	54 12 21 79 1 4 - 10 - 181 384	65 13 17 106 - 8 - 11 - 220	-61 17 20 88 -6 1 13 - 206	1 67 15 18 86 1 6 - 21 - 215 326	62 12 25 99 - 3 - 11 - 212	70 17 21 88 - 8 2 17 - 223	1 94 15 24 91 - 6 - 10 1 242 294	- 83 14 25 78 1 3 - 10 - 214	91 11 20 75 1 7 1 8 1
", ", Phthisis - " ", Dis. of Circula tory System	164	169 148 49	154 120 61	180 114 36	174 151 60	189 133 41	154 119 61	143 140 61	139 132 62	154 124 45	117 121 66	116 117 64	138 131 50
Violent Deaths Inquest Cases Deaths in Public Institution	_ 162	115 406	117	85 362	133 382	105	125	124 342	134 326	100 376	119 324	123 328	108 331
TEMPERATURE OF THE AIR Mean Mean of Highest reading Mean of Lowest readings	45·3 54·0	52.0	49·0 57·3 42·6	43.8 54.9 33.1	43·2 52·0 37·0	46·1 53·8 39·9	47·1 56·7 40·1	50·7 62·2 38·9	52·4 61·6 44·6	55·3 67·4 45·6	58·3 71·0 45·6	54·0 65·9 44·0	56·5 67·0 48·1
Humidity of the Air - Rain-fall in inches -	- 79 - 0·24	82	84	72	72 0·29	81 0·38	82 1·00	67	80 0·56	69 0·56	65 0·14	65 0·07	76 0·31
Registered Sunshine (in hou	rs) 28·1	21.5	14.6	59.8	22.0	27.0	15.9	63.9	14.5	54.0	71.2	51.9	25.1

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LLD., Plymouth: R. C. Cann Lipplncott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Plikington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

ABLE 2. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the TWENTY-THIRD Week of the Year 1890.

	In the Week ending Saturday, 7th June 1890.								4		,		_	- 42	No.	- le			_
	ATH. Property of the Ages Deaths of Persons of the Ages Under 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,							0.			for the		Satu	rday	, 7th	Jun	e 189	0.	
	23		De				as of				ges f		De	aths tl	of P	ersor ges	s of		
	of th 0-89.				.		.09	. 80.	and	CAUSES OF DEATH.	Averages iks of the 1 1880-89.*			nder	.	r 40.	. 60.	. 80.	and
S OF DEATH.	eeks 188	3ES.		20.		nader	under	under	rds.	21112	A M S	Ages.	-	20.	-	under	under		
	rrect		į	-5.	-20.	and	and	and	Years upwards	-12	Corrected 23rd Wee	ALL A	0-1.	1-6.	-80	and	and	and	upwards
	8.	4	0	-	20	2	9	9	200		000	4	0	-1	2	8	9	8	28
AUSES	1461.0	1393	285	280	102	186	259	235	55	Diseases of Organs of Special Sense † }	8.0	3	1	-	1	1	-	-	-
Vaccinated! -	}15.8	-		-	-	-	-	-		Diseases of Circulatory	98.5	131	3	1	12	24	41	45	5
No Statement) (-		-	-	-	-	-		System}		-		-		-	-	-	-
Name -	26.8	91	14	71 6	6	7	-	-		Croup Bronchitis	125.0	9 129	37	6 34	2 2	4	14	32	6
Fever -	0.4	1	7-1	-	2	-	1	, -	-	Pueumonia Pleurisy	79.7	63	11	16	4	11	13	13	
ing Fever †	0.0	-		-	-	-	-	-	-	Other Diseases of Respi-	24.0	22	2	4	-	-	5	10	1
128	0°1 52°6	3 75	30	42	3	1	1	1 -		THIOTY DYBUCILL)						-		-	_
ing-cough	18.3	20	2	13	6	-	-	-		Dentition † Quinsy, Sore Throat † -	13.0	9	3 -	6	2	1	1	- 2	-
Continued and)	1.7	1	-	-	2	-	-	-	-	Quinsy, Sore Throat † - Enteritis Peritonitis	1.5 5.8 7.4	8	3	3	1 2	3	1	1 8	-
efined Fever -}	9.6	7		-	2	4	-	1		Diseases of Liver Other Diseases of)	31.1	31	2	- 1	-	8	13		-
a	0.8	1		-	-	H	-	-		Digestive System -}	26.5	26	4	2	2	2		7	4
cea, Dysentery -	20.9	8 -	4	60 . 1	-	_	_	1	I	Diseases of Lymphatic									
ent Fevert phobia	0.1	1-1		-	-	-	-	-		Diseases of Lymphatic System & of Ductless Glands †	2.1	1	-	-	-	1	~	-	-
m	0.1			-	-		-	-	-			-		-			-		-
x and Effects of ination †}	0.3			-	-	-	-	-	-	Diseases of Urinary System	36.8	34	1	1	2	3	9	15	8
al Affections -	8°4	.6	3	-	-	2	1	-	-					-				-	-
elas – – – a and Septicæmia †	5°8 3°1	5	1 -	-	1	-	-	3	1	Diseases of Generative	6.4	5		_	1	2	2	-	-
ral Fever	3.7	7	H	-	2	5		-	-	Accidents of Childbirth -	3.2	3	-	-	_	8	_	_	-
Zymotic Diseases †	2.4	1		-	1	-	-	-		Diseases of Locomotics									
	1.7	1	1	_	_		_			Diseases of Locomotive System † }	6.6	9	-	2	_	2	1	4	-
s and other Para-}	0.3	_				_				Diseases of Integumen-									
l Diseases}										tary System }	5.8	5	2	-	2	_	_	1	-
tion, Want of }	0.8	1	1																
st-milk †}	5.2	10				5	5			VIOLENT DEATHS.§									
		-				_		-		(Accident.)	05.3								
natic Fever, \ matism of Heart	6.6	8			_	2	1		-	Fracture and Contusion Gunshot Wound	23.8	16	1 -	2 -	5	3	3	-	2 -
natism †	2'4	-			_		-		-	Cut, Stab Burn and Scald	0'3 4'1	4	-	4	-	-	- 1	-	-
	2.8	7	-	-	-	-	1	5	1	Poison	1'3 9'4	3	-	-	3	1 -	1 -	-	-
	53.7	8 58	1	6		- 0	1 00	13	4	Suffocation Otherwise	11.8	11 2	10	1	-	ī	ī	-	-
Mesenterica -	24'9	15	12	2.		9	33	-	-				-	_		-	-	-	-
ular Meningitis -	29'0	29	k	20	7	1	-	-	-	(Homicide.)									
la, Tubereulosis -	168.7	138	6	6	10	61	48	11	-	Murder & Manslaughter	2.3	-	-	-	_		_	-	-
Constitutional)	1	19	0	ð	6	2	5	9		(SUICIDE.)									-
8505 † }		10		_		_		-		Gunshot Wound	1.4	8	-	-	-	2	1	-	-
ture Birth	35*5	36	33		_	-	-	-	-	Cut, Stab	1.1	4	=	-	-	2	2	-	-
taeis †	2.8	1	1		-	-	-	-	-	Drowning Hanging	3.0	1 4	=	-	-	2	2	=	=
nital Malforma-}	5.2	11	10	1	-	-	-	-	-	Otherwise	0.4			_	_		_	_	_
ge	40.8	50	-	-	-	40		25	25	(Fenomera)									
avy .	39.0	37	-		1	4	19	11	2	(EXECUTION.) Hanging	0.0		-		-	-	-	-	-
exy	7.7	5	-	-	-	1	2	3	-			-	-	-	-	-		-	-
laions	40.3	36	30	6	-	-	-	-	-	OTHER CAUSES †	54.8	41	38	2	-	-	1	2	1
Diseases of Brain \\ Nervous System	94*5	75	10	12	10	7	16	20	-										
						. D.	. 42		1 A.	years 1880-89, raised by 9°	48 ner ca	nt. for	inere	ase	of po	pulat	ion.		

the numbers in this column are the average weekly Deaths for the ten years 1890-89, raised by 9'046 per cent. for increase of population.

the tan years average could not be correctly accertained, the average for the eight years 1832-9 has been used.

"an expected an all-pox only most be correctly accertained, the average for the eight years 1832-9 has been used.

When one cases of small-pox only most as "vaccinated" or as "unvaccinated, "which are so certified by registered medical men. When one cases of the control of the c

ughter, or suicide. All such cases are classed under " ascident or negligence."

Table 5. LONDON.—FOPULATION; BIRTHS; DEATHS from all Causes, and from Small-pox, Measles, Scalduring the Week en

LABLE 5. HUNDON OF CLAREN													durn	ig th	e W	eek	eı
							The	DEA	TES T	egiste	red i	n the	Wee	kinel	ude		
	Knume-			Deat	hs of					Death	s fro	m					
REGISTRATION	rated Fopu-	HP.	. не.	0. 10 P	d 60 wds.					cough.		or Fever.	er.			98.	Public
SUB-DISTRICTS.	1 stion. 1881.	Вівтне	DEATH	under of Age.	sged s repw	pox.		Feve	eria.	ing-e	σž	o or	d Fever.	œa.	ce.	t Cas	· fre
	1901.	Total	Total	Infants Year	Persons Years	Small-pox.	Measles	Scarlet	Diphtheria	Whooping-	Typhus.	Enteric o	Simple c	Diarrhea	Violence	Inquest	eaths
				u ₁	Pe	- SO	M	002	D	M		9	2_	O.	<u></u>	H	-
LONDON	3,815,704	2399	1393	285	290	_	91	11	20	75	1	7	1	8	50	108	1 60
WEST DISTRICTS	669,688	352 518	241 328	43 61	37 72	-	24 30	1 4	4 5	10 18	-	3	1	3	6 18	14 34	
NORTH DISTRICTS	282,238	133	107 261	21	18	-	4 8	- 2	2 2	6 22	-	1	-	1 4	3 9	10	
EAST DISTRICTS WOLLD	1,965,148	453 943	452	103	101	-	25	8	7	19	1	3	-	-	14	23	-
METROPOLITAN ASYLUM LOS- PITALS OUTSIDE REGISTRATION	-	·	. 1	-	-	-	-	1_	-		-	-	-	-		-	
WEST DISTRICTS.		30	93	a		_	2	_	2	2	-	-	-	-	_	2	
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	-,000	9 58	11 41	6 - 9	6	-	13	-	ı -	3	-	-	-	1	1	2 2	
Kensington Town Ww - W.M. & C Brompton H - W.M.		8	10	3	-	-	-	-	-	1 -	-	-	-	1	1 -	-	
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C.	7599 64340 42900	41 63	13 24	3 2	3 4	-	5	ī	-	2 -	-	-	-	ī	-	ī	
Chelses South HHH - C.	30396 24925	23 20	10 17 9	1 3 2	3	-	- 1	-	=	-	=	-	-	=	1	3	
Chelses North-east		20 8 26	14 21	1 6	6	-	-	-	-	-	-	-	-	-	-	-	1
May Fair Belgrave WHHH- St. John Westminster HHH St. Margaret Westminster H - C.	59220 35495 24679	19	6 13	2	2		-	-	1	-	-	-	-	-	2	2 3	
St. James Westminster WHH N.R.&G.3 St. Anne Soho HHHHHHHH - N R	29941 16608	8 7	9	1	1	-	1	-	-	1	-	-	-	-	-	-	
NORTH DISTRICTS. All Souls Marylebone HHHHH W.M	26759	9	11	-	-	-	-	-	-	1	-	-	-	-	1	2	
Cavendish Square HHHH	94800	10	12 8	1 1 2	4	-	1.1	-	=	- 1	-	-	-	-	1	2 2	
Christehurch Marvlebone IIH - W.M.	21118 58700 53638	28 19 13	14	5 3	2 4	-	1 2	=	=	-	=	-	-	-	1	ī	
Hampstand Wannethill N.R. & W.M.	45452	21	15	2	3	-	1	1	1	-	-	1	-	-	1	1 2	
Regent's Park Pancras H W.M. Tottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R.	80247	10 29	9 11	3 2	8 1 1	-	-	-	-	1	=	-	-	-	2	3	
Somers Town H-	. 17811	25 5 51	12 12 24	1 3	4 6	-	4	=	- 1	1 2	-	-	-	-	1 2 1	1 4 2	
Menus Hollower WWwH N.R	67946	47 61	24 82	4 5	8 5	-	1 9	-	1	2 2	-	-	-	-	2 2	1	
Islington South-west HH N.R Islington South-east N.R Highbury H N.B		28 32	20 20	8	2	-	5	-	-	3	-		ī	-	-	3 2 -	
Stoke Newington H N.R Stamford Hill E.L West Hackney H N.R	92781 9277 37610	17 8 20	5 15	1 -	3 2 4	-	1	1 -		1 -	-	=	1	-	-	- 2	
West Hackney H Hackney WwwH South Hackney - E.L. & N. R	K. 76911	50 16	34	6 2	7	-	1	2	2 -	ī	=	1 -	-	-	1 -	2 2	
CENTRAL DISTRICTS. St. George Bloomsbury - N.I.	3. 16681	8	3	-	1	-	-	-	-	1		-	-	-	-	-	
St. Giles North N.I	13887	5	9	3	1	-	-	-	-	1	-	-	-	-	1 -	1	-
St. Martin-in-the-Fields HH N R. & C St. Mary-le-Strand H N.I St. Clement Danes H N.I	3. 7515 3. 8559	3	6	1	2	-	1 -	-	-	=	-	=	-	-	-	1	
Strand Union Workhouse, Edmonton w	R. 18671	10	7		1 2		-	-	-	-	-	=	-	-	-	1	
St. Andrew Eastern W - N.I			9	1	1	-		-		1 -	-	-	:	-	-	2	
Amwell Clerkenwell - N.		8 8	1 2	2	-	-	1 2		-	1				-		- 4	
Old-street H N.	R. 1154.	1 13 3 23	10		, l		-			-		-		-	-	-	
Whiteeross-serees - N.	R. 921	7 4		3 .	- 1						-			-	-		-
Holborn Union Workhouse, Michael, 18t. Botolph H - N.B.&E	R. 719	4 8	3 3	2 :	- -									-	1 1	1	-
St. Sepulchre H N. St. Bride W N.	R. 535 R. 839	8 3	5	9 :	1 2			- -			٠.			-	ī	1 60 1	3
Allhallows Barking N. Broad Street H N.	K. 1266	2	3			: :											
			-	The real Property lies, the re			-		-	-	-		1	-			

NOTE.—The Italie letters placed against the names of the sun-districts denote Public Institutious situated therein, namely: Hence; Hence; Leading Lead

R, DIPPUNERIA, WHOOPING-COUGH, FEVER, DIARRIGEA, VIOLENCE, &c., registered in each Sub-district

day, 7th June, 189	0.																		
	1							Th	e De	THE	regist	ered i	in the	Woo	k inc	lude			
		Enume			Deat	hs o:	- 3		`.	1	Deatl	ıs froi					1	1	
REGISTRATION SUB-DISTRICTS		Population, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox	Measice.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteris (or Typhoid) Fever,	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Leaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS. litch South† HL* - n New Town so - n Old Town ration WH - N	- N.R. - N.R. - N.R.	22343 39937 28036 46275	5 15 28 33	7 16 8 85	2 1 2 7	2 9 1	1111	1 1 1			1 2 2 3		1111	1111	1111	1	1	8 - 17	11111
al Green North H - al Green South - al Green East WHL*	- E.L.	51157 34399 41405	33 17 30	14 3 14	7 - 2	2 - 4	7.1	-1	13	1-	2	111		111	ī	ī	1 1	- 4	
felds - E. Cod New Town W - chapel Church H E. nan's Fields - N	L. & N.R. E.L. L. & N.R. - E.L. R. & E.L.	22585 15478 17490 9713 6102	11 16 18 2 4	11 6 25 -	6 1 2 -	1 2 -	11111	11111	11111	1	1 - 1	11111	1111	1111	1	1 1 3 1 1	4	17	11111
orge's North hn, St. George East W	- E.L. - E.L.	88747 8410	36 8	117	2 -	2 2	-	7.1	ī	-	1.1	-	-	-	1	1 1	3	4	-
louse	.L. & N.R. - E.L. - E.L.	10895 16107 32041	8 5 19	7 4 4	1 -	2	1 1 1	7		116	2 -	-		-	-		-	5	Ē
End Old Town West H End Old Town East Wio		87960 67653	21 37	10	3 3	3	-	-	-		3		1	-	-	1 1.	1	ī	-
La totow H	- E.L. - E.L. - E.L.	87074 64859 55077	30 47 40	13 31 20	8 6 2	1 12 7	111	2	1	111	1 2 1	-	-		1	1 3	3 8	11 8	-
SOUTH DISTRICTS church Southwark WE viour Southwark road ph-road WH n-road HL - y Newington ter Walworth W ary Newington	1 L. & S.	13663 14999 21331 15963 21315 26672 59555 21623	8 7 12 15 9 17 41 12	3 8 1 10 11 6 21 11	2 1 3 2 4 7	1 1 - 2 - 7 2		1 1 4	11111	11215151	1 2 2 1		in the state of	11111111		1 2	- 2 1 1 - 2		1
er Market	S. & L. S. & K. S. & K. L. & S. L. & S.	11956 16390 15669 54632 36024	5 12 11 38 37	3 7 3 18 22	2 1 4 5	1 2 5	11111	4 1 4 8 4	1	1	1 2		11111	11111	1111	1	1 3	11 - 6	11111
loo-road let H rloo-road 2nd H eth Church 1st H eth Church 2nd W W	L. & S. L. & S. L. & S. L. & S. S. & L. S. & L. L. & S.	15195 16351 19876 39859 45282 35332 62837 19017	16 21 4 29 38 25 40 7	9 7 23 22 12 11 13 5	3 3 7 8 1 1	1 7 1 3 5	1111111	1 1 2 4 1	in the first	11111111	1	11111111		11111111	11111111	1	1 2 - 1	16 13	111
satteraca — Batteraca WuH- — m H — — — sworth WHL — — ham — — — — — — — — — — — — — — — — — — —	- S. - S. - S. - S. - L.	54675 52587 86380 28004 13235 25553	51 53 13 22 9 15	15 23 8 9 2 6	7 4 3 2 -	3 7 2 2 1 2	111111	1 2 - 1	111111	1	2	111111	1	111111	111111	1	1 1 1 -	3	411111
	L. & S. S. & L. L. & S. L. & S.	5590 59104 71089 50810	1 49 53 52	1 31 20 17	5 7 6	11 4 3	-	1 1	1111		1 - 1	1111		1111		1	1	11 2	1
ul Deptford come - choice Deptford with West H with East WHH -	- K, - K, - K,	76752 7901 21972 21605	67 2 14 30	\$4 1 4 9	6 1 1 3	8 - 1 4	1111	1	1	2	1	1	1	1111	1111	1	1	5 - 1	1
n H	- K. - K. - K.	5048 21559 19865 26076	1 8 21 7	2 9 4 2	1 1 -	1 2 -		-	1111	1111		1111	1111	1111		1 -	2 1 -	3 1	1111
on H// ich Dockyard ich Arsenal HH tead, West H tead, East W politan Asylum Hospital riford to ackmore Hill w	- K, - K, - K, - K,	10930 17617 19048 14009 19241	9 17 8 23	4 3 5 4 6	2 2 2 1	1118111	111111		-	1	1	11 11111	1	111111	11111111	11 11111	11111	i	1

pollowing Workhouse Establishments we indicated in the above Tablebone Infirmary in Kensington Town sub-district.

The London Sick Asylum in Tottenham Court sub-district.

The London Sick Asylum in Tottenham Court sub-district.

The London Sick Asylum in Tottenham Court sub-district.

The London Sick Asylum in Tottenham Court sub-district.

The London Sick Asylum in Tottenham Court sub-district.

The London Sick Asylum in Tottenham Court sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylum in Upper Hollowsy sub-district.

The London Sick Asylu

TABLE 6.—LONDON.—OUTER RING. — AREA; POPULATION; BIRTHS and DEATHS registered during Week ending Saturday, 7th June, 1890.

				We	ek en	ding	Satu	rday,	7th J	une,	1890	•	§ -		11 10 1		
Regio-		Area						1	The D	EATHS				Veck i	nelude		7
District		Acres, inclu-	Enume-		'n	Dea	ths of	<u> </u>			Death	s from					
and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	Population, 1881,	BIRTHS	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Bearlet Fever.	Diphtheria.	Whooping-cough	Fever.	Diarrhos.	Violence.	Inquest Cases.	Dosthe in Public
LON	DON - OUTER RING	370,924	950,957	811	349	90	67	-	26	4	2	20	2	4	11	18	3(
			200,007										-	-	-	-	-
30:1	Carshalton wL - Epsom (part of)* WwH	- 12228 - 9971	21118 10710	5	3	1.	-		-	-	-	1	-	-	- 1	-	40.00
37:1	Godstone (part of) * -	2754	1235	2	-			1	- :	-	-	-	-		-	1 17	10
38:1.	Croydon Ww L - Mitcham w † -	20851 11697	101241 17982	60	28	7	10		8	-	-	2	-	-	2	1.	-19
89:1	Wimbledon HHH -	3220	15950	. 7	6	1	1	~	-	-		-	2	-:-	ا در		1
2	Kingston WHH	8549	36354	20	5	-	3	7		-	-	-	-		-	1, -	1
8	Esher (part of) - Hampton H	6601 4873	9221 13539	7 12	3	2 -	: 1			-	-	-	-	-			100
40:1	Richmond WH	2272	21302	11	6	1:	1	-	-	-	-	-	-	-	- "		17.5
2	Mortlake	2941	12331	5	3		2		-	-	. •	•		-	-		. 47
43; 3	Bromley (pt. of) * HH Chishrst(pt.of)* WHII	15669	31142 15844	13	9	2	3 -		-	_	-	-	-			-	34
42:3	Bexley H ~	18437	24134	21	11	8	2	~	-	-	-		-	1	í	1	-50
1242 1	Dartford (Ww, pts. of)*1	11055	11688	11	2	-	. 1		-				1		7. 9		50
3	Staines W	13277	12089	3	3	1	-		2		-		-	-		-	
125:1	Hillingdon WHH -	6029	10802	10	1	1	-	- 1	-	1-1	-	- ,		u-,	-	-	-8
8	Uxbridge Hayes wHL	6178 14887	3225 11528	8	6	1	-		2	7	-			-	-	-	1.5
126: 1	Isleworth WHH -	7008	22727	10	6			-	4	-	-	-	-	-	40		1
2 8	Twickenham H Brentford HL	2477 4345	12479 27649	10 11	2 8	1	1 3		-	-	1	1	-	-	-	-	100
4	Chiswick	1340	15975	14	7	8	1	~	1 -	-	-	1.	-		-	1	2
5	Acton wH	6088	22876	23	9	1	2		-	-1	-		-	-	2	2	1
127:1	Harrow H Edgware H	13809 6994	12796 3749	7	1 -	-			-	7	-	-	-	-		1	1
3	Willesden	4383	27453	36	18	6	1	-	1	-	1	2	-	-	-	2	1
137:1	Hendon W	8382 9331	10484	12	6	1	3		- 7	-		1	-	-	1	1	1.0
2	Watford (W, pt. of) -	-		-	-	-	-	П		-	-	-	-	-	-		1
128:1	South Min.ms	158 99	6391	4	2	- 1	1	Н	-	-	-	-	-	-	-1	-	
3	Barnet Finchley HZ	61 83 46 38	17615	6 18	12	3	1 -	П	-		-	-	1.	-	-		0, 4
185 ; 1	Hatfield (part of) * -	8306	583	-	-	- ,	**	7	_	2			-		-	-	
199:1	Hornsey H	3039	37078	28	10	1	2	H	-	~	-	2	-	-	-	-	100
8	Tottenham H Edmonton Ww -	4642 7453	46456 23468	54 14	27 17	11 3	3		7 2	2		2 2	-	2	2	3	1
4 8	Enfield WH	12653	19104	18	5	1,	1	-	-	-			-	-	-	-	1
6	Waltham At bey Cheshunt	31017 8480	5369 7785	9	1 8	1	-		-	-	-		-	-	-	-	1 :
186:1	Stratford	882	38606	25	11	4	1	_	1		-		-	1.	2	2	
8	West Ham ww H -	4055 3296	90347 10706	113	40	14	7	7 4	-	-	-	2	-	-	2	8	1.
6	Leyton WwL	4372	32430	53	25	6	8		-		-	2	1	-	-	1	80
187:1	Walthamstow H - Chigwell (part of) * H	6520	28869	40	19	. 2	. *	1	1-	1.	-	. 2	-		-	-	
2	Epping (W, pt. of)	11761	9669	9	1		1	1	-	-	- 1		-	-	-	-	-
189:1	Romford (part of) * W	6730	3411	4	2	1	-	-	1 -	-	-		-		-	A	1
3	Barking Town	4493 4127	7645 9203	11 17	3 5	3	1	-	-	1	-	1		-	-	-	0
1		1	1	1						7		A.	1	1	1 A	1 4	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as fa \$9:3, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warfingham an; Farley in Goldstrict; 39:3, Esher sub-district, except the parish of Esher (pop. 1265); 37:1, the parishes of Warfingham an; Farley in Goldstrict, except the parish of Chelsfield (pop. 1818); 41:2, Chisleburst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Noctaaw in Baub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 149:1, the parish of Noctaaw in Baub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 149:1, the parish of Noctaaw in Baub-district is 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 149:1, the parish of Noctaaw in Baub-district is 22, Dartford, 187:2, Warford, and 187:2, Epping, sub-district.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

Arylum Hospital, Winchmore Hill (see Table 5).

§ Exclusive of deaths of London residents in Metropolitan Asylum Hospital (see Table 5).

[§ Exclusive of deaths of London residents in Metropolitan Asylum Hospital, Winchmore Hill (see Table 5).

On its January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, an constituted the registration sub-district of East Ham.

E 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS). -DEATHS and Rate of Mortality during the Week ending Saturday, 7th June, 1890.

P 7 P 3	Area			L RATE			The Da	ATH	B regi	atere	d in t	he W	eck :	inelud	le	
EATER	in Acres,	Estimated		O living.	DEATHS	Deat	ths of			1	Death	s fro	na			blie
NDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.	Deaths in Public
Cols.	1	2.	8,	4.	8.	6.	7.	S.	9.	10.	11.	12.	13.	11.	15	18
R LONDON	448,331	5,758 500	15.8	2.5	1742	375	357	-	117	15	22	95	11	12	61	361
R LONDON -	77,410	4,421,661	16.4	2.2	1393	285	290	-,	91	11	20	75	9	8	50	331
R RING -	370,924	1,336,839	13'6	2.3	349	90	67	-	26	4	2	20	2	4	11	30

The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 522 square miles, which is equivalent to the area of a circle having a radius of 14*933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,051 Persons.

	POPULATION					Annual	DE	ATHS		PRIN	ES.	ZYMO	
TIES.	(enumerated or estimated).	DATE OF RETURE Week endir	li.	BIRTHS. Exclusive of	DEATHS. f Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœal Diseases.
TTA -	433,219 {	April	5	-	323 336	38·9 40·4	47	1	-	-	-	114	45† 55†
- P	773,196		20	241	347	19.4	5	8	2	2	5	124	20†
48	398,777	April	25	316	349	45.4	3	12	3		9	145	47
a a .	2,260,945	May	31	1 74	948	21.8	1	50	8	30*	8	10	70
RLS .: . Faubourgs.)	477,288	99	31	237	172	18.7	4	1	1	1		2	19
RDAM .	406,302	13	31	277	154	19.7	-	3	-	-	1	· -	1
BDAM .	203,486		31	148	82	20.9	-	-	-	~	. 1	-	2
LAGUE -	156,497	99	31	108	47	15.6	-	-	-	-	-	-	-
HAGEN -	312,387	19	31	201	135	22.5	-	8	1	7	-	-	19
HOLM .	236 350	,,	24	188	97	21.3	-	-	2	6*	. 3	. 1	10
TIANIA -	143,300	19	31	62	49	17.8	-	-	1	5	-	-	4
TRESBURG	924,466		24	- 1	519	29*3	1	32	27	13	3	18	40
W 4 .	1,526,887	22	17	910	665	22.5	1	28	16	25	4	2	42
URG (State)	675,276	29	24	423	238	21.6	-	3	~	7*	2	3	9
D-EM	269,250	1 "	24	159	131	25.3	-	4	-	5*	-	~	13
AU	324,143	29	31	232	171	27.9	-	-	-	3*	-	3	18
CH	298,000	**	31	253	152	26.2	-	2	-	7*	-	-	38
SA .	822,176	,,	31	554	395	25.0	-	22	1	5	1	3	33
UR	314,425	22	31		187	31.0	1	17	4	3	6	1	5
-PESTH -	463,017	23	24	312	298	33*5	-	4	3	11	1	5	25
TR	160,092	1)	31	85	67	21.8	1	1	-	1	1	1	4
	418,2.7	97	3	202	155	20.3	-	6		5	2	2	12
(11 days)-	314.827	April	10	216	201	23.3	1	11	-	3	1	4	16
CIE	156.513	May	17	78	56	18.7	2	-	•••,	1	-	- 1	2
0	374,838	,,	15	331	318	44.1		-	-	1	. 2	27	93
ANDRIA -	231,396	19	15	178	172	33.7	1	1	-	1	1-1	9	50
YORK -	1.595,547	**	17	-	705	22.8	-	37	8	31	4	4	13
KLYN .	859,612	99	17	- '	30 %	18.2	-	3	3	23	1	-	2
ADBLPHIA .		11	17	-	375	18.4	-	8	6	9-	4	- 8	1
IMORE -	500,343	99	24	-	196	20.4	-	3	-	: 8	1-1	_ 2	23
ORLEANS -	254,000	April	26	-	-	-	-	-	-	-	-	-	-

Including deaths from croup.
 Including 24 and 26 deaths respectively from cholera in Calcutta, and 1 in Bombay.

TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 7th June, 1890. Under the Superintendence of the Astronomer Royal.

The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.

In reading the columns 9 and 25 it will be borne in mind that + indicates "kigher," and -"Corret," than the average. The record of Blectricity is derived from Thomson's self-registering Blectrometer. The symbols employed are: -P. positive; N. negative; w. weak; m. moderate; s. strong; and The height of the cistern of the barometer is 159 feet above the mean level of the sea: no converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years curing 1373 for the bacometer, and during the twenty years ending 1873 for the bacometer, and during the twenty wears ending 1865 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show The results or all the meteorological observations are to be understood as applying to the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are column 8). The mean daily dew point temperature and degree of humidity are deduced sed from 29.961h. at the beginning of the week to 29.69 in eceiving in a Gauge whose Sum 0.31 0.00 26 Average of 16 Years. Miles. + 21 + 81 Sum +452 +162 + 64 +158 83 Robinson's. Observations are usually taken at 911. A.M.; noon; 3h. P.M.; and 9h. P.M. Horizontal
Movement to of the Air on each Day. Sum 2178 77 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. ps. 0.3 23 Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. Least. 0.0 0.0 lbs. 0.0 22 2.0 21 ivil day, or from midnight to midnight, SW. & SSW. SW. & SSW. SW. & SSW. NNW. & N. NNW. & E. WNW. & WSW. WSW. & WSW. 20 General Direction. SW. WSW.&NW. SSW. & SW. WSW.'k SSW. 7 A.M. SW. 19 Corporation of Londo of the Water of the Thames at Deptford. est. 18 TEMPERATURE. Highest. Lowest on the 0.88 40.3 Of Radiation. 16 Overceat in morning; partially cloudy and fine in afternoon; afterwards overcast. Fine; cloudless in morning; partially cloudy during Overcast till afternoon; fine and partially cloudy till evening; cloudless at night. Fine; cloudless in morning; partially cloudy after-vards. High-est in Sun's Rays. 9.411 30.0 18.1 15 Overcast generally; frequent rain till evening. 62 72 69 82 14 84 63 92 GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature. 0.0 0.1 east. 13 2.91 13.8 25.1 est. 12 Generally cloudy; fine. fay; cloudless as night. Cloudy: fine at times, Mean daily value. 12.4 12.5 6.4 Mean daily value. 8.83 48.6 De-parture from 2.0 1.4 2.5 1.2 6 ø + ı FEMPERATURE. Registered Sun above Sunshine, Horizon, in hours, in hours, Mean daily 9.29 52.5 7.12 56.4 2.99 56.5 00 16.4 16.3 16.3 16.5 16.4 Of the Air. Range. Daily 16.5 22.2 6.31 30.1 Sum 25.1 9.8 6.1 1.8 9.98 6.64 0.09 6.99 Low-52.6 52.3 78.5 48.1 est. 9 0 8.89 0.29 High-7.99 1.49 1.69 70 m. P. in morning; w. N. and w. P. after-۰ 0 w. P. generally, with w. N. between sh. P.M. and 5h. P.M. ELECTRICITY.
(For explanation of symbols, see Note.) w. P. thronglout Mean daily reading 30.137 29.883 29.849 \$77.69 w. P. generally in. w. P. in mow. W. P. at night. Dec. 5. W. P. W. P. 00 8 MONTH AND No. of Col. 1890. JUNE. WEDNESDAY DATE. JUNE. THURSDAY BATURDAR MEANS THURS. TUESDAY MONDAY TUBB. WED. SUNDAY SUN. FRIDAY Mon. FRI. SAY.

OFFICIAL COPY.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 24. 1890. Vol. LI.]

WEEK ENDING SATURDAY, JUNE 14.

Price 11d.

General Register Office, Somerset House, 16th June, 1890.]

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17·2 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	W	eeks ending		1.15			Weeks	ending	
Towns.		May June 31. 7.	June 14.	Towns.		May 24.	May 31.	June 7.	June 14.
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Derby - Halifax - Huddersfield Hull - Leeds -	17·2 14 21·5 19 23·4 29 18·4 16 15·6 1/ 14·6 14 20·1 14 24·8 16 24·2 28 9·4 19 18·8 1/	7:4 19:4 5:5 16:6 9:4 18:1 2:1 29:3 6:3 18:0 7:3 17:7 5:5 11:0 3:4 18:3 3:4 18:3 3:5 21:0 9:4 17:1 7:8 14:6 7:9 20:8	17·2 17·7 20·7 17·1 10·5 11·5 12·9 14·0 20·3 14·9 15·1	London - Manchester Newcastle-on-Tyl Norwich -	- 1 - 2 ne 2 - 1 - 1 - 1 - 1 - 1 - 2 - 2	7·1 8·0 3·4 9·1 5·8 7·4 5·9 4·6 8·3 0·2 2·1	19·8 16·6 28·7 25·9 15·3 11·7 17·1 15·2 16·4 23·8 18·7 21·5 19·5	16·4 28·0 27·2 17·5 15·8 18·5 13·9 16·0 22·3 22·1 23·7	16·2 26·2 21·1 14·2 9·6 17·8 23·8 19·3 16·9 18·5 21·0
Leicester -		4.5 11.5		Wolverhampton			16.3		

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·2 in London, 1·6 in Birmingham, and 1·8 in Liverpool; from scarlet fever, 1·1 in Manchester and 1·3 in Wolverhampton; from whooping-cough, 1·0 in Derby and in Newcastle-upon-Tyne, and 1·4 in Bolton; and from "fever," 1·5 in Birkenhead. The 33 deaths from diphtheria included 24 in London, 3 in Manchester, 2 in Salford, and 2 in Liverpool. One death from small-pox was recorded in Plymouth.

LONDON.

In London 2477 births and 1375 deaths were registered. Allowing for increase of population, the births were 205, and the deaths 40, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had declined in the nine preceding weeks from 19·1 to 16·4, further fell last week to 16·2. During the past eleven weeks of the current quarter the death-rate averaged 17·5 per 1000, being 1·4 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

The 1375 deaths included 100 from measles, 11 from scarlet fever, 24 from diphtheria, 59 from whooping-cough, 11 from enteric fever, one from an ill-defined

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such as hypothesis is, however, obviously somewhat untrustworthy.

62359,—11. 635.—6/90. Wt.

form of continued fever, 15 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 221 deaths were referred to these diseases, exceeding

the corrected average weekly number by 9.

No death from small-pox was registered, the corrected weekly average being 17; seven cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The 100 deaths from measles showed a further increase on the high numbers in recent weeks, and exceeded the corrected average by 41. The fatal cases of scarlet fever, which had declined from 17 to 11 in the four preceding weeks, were again 11 last week, being 15 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1153 scarlet-fever patients at the end of last week, the numbers in the three preceding weeks having increased from 1067 to 1133; 104 cases were admitted during the week, against 106 and 141 in the two previous weeks. The deaths from diphtheria, which had been 25 and 20 in the two previous weeks, increased again last week to 24, exceeding the corrected average by 5. The deaths from whooping-cough, which had fluctuated in the eight preceding weeks between 106 and 75, declined further last week to 59, still exceeding the corrected average, however, by 9. The 15 deaths from diarrhea, though exceeding the numbers in the three preceding weeks, were scarcely more than half the corrected average; 6 were of children under one ye r of age, and 6 of persons aged 60 years and upwards.

The deaths referred to enteric fever, which had been 3 and 7 in the two previous weeks, further increased last week to 11. The Metropolitan Asylum Hospitals contained 47 cases of enteric fever, and 2 of typhus, on Saturday last; 4 cases of enteric fever were admitted during the week, against 5 and 11 in the two

previous weeks.

The deaths attributed to diseases of the respiratory organs, which had steadily declined in the nine preceding weeks from 384 to 229, slightly increased last week

to 240, exceeding the corrected average by 15.

Different forms of violence caused 36 deaths, concerning all but 3 of which inquests were held. Of these 36 deaths, 4 were cases of suicide, one of murder or manslaughter, and one of execution, while the remaining 30 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 2 by burns or scalds, 2 by poison, 3 by drowning, and 4 (including 3 of infants aged under one year) by suffocation. The deaths of two painters, aged 21 and 65 years respectively, were referred to "plumbism." The cause of death of a female, aged 11 years, who died in the Evelina Hospital, Southwark Bridge Road, was returned, after inquest, as "syncope consequent upon the administration "of chloroform, accidental" (post mortem).

GREATER LONDON.

In Greater London 3259 births and 1742 deaths were registered, corresponding to annual rates of 29'5 and 15'8 per 1000 of the estimated population. In the Outer Ring 20 deaths from measles and 15 from whooping-cough were recorded. The deaths from measles included 9 in Tottenham and 4 in Croydon sub-districts; three deaths from whooping-cough occurred in Tottenham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.80 ins.; the lowest reading was 29.44 ins. on Wednesday afternoon, and the highest 30.21 ins. at the end of the week. The mean temperature of the air was 56.6, and 2.1 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Monday and Tuesday, but was below the average during the remainder of the week. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 8.7 miles per hour, which was 1.8 miles below the average in the corresponding weeks of 16 years. Rain fell on six days of the week to the aggregate amount of 0.76 of an inch. The duration of registered bright sunshine in the week was 28.4 hours, against 30.6 hours at Glynde Place, Lewes.

-	_		1	-		-	mac sales i	-	-		-	_	-	-	-	_	-		-	_			-	_	_	_	-	_	-	-		-
	CITIES	AND BOROUGHS.	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON	BIRMINGHAM.	LRICESTER.	Nottingham.	DERBY.	BIRKENHEAD.	LIVERPOOL.	ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURK.	HUDDERSFIELD.	HALIPAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDINE.	Enraphedit.	GLASGOW. DUBLIN.
AEE.		In Centi- metres.	24.	1.96	1.93	1.35	1 1	2.64	5.40	1.55		1	0.23	1	ı	2.34	t	•		F	1	1 1	1	2.87	1	1	1.30	1	2.30	1	2.04	1.05
RAINFALL		'səqoul ul	23.	22.0	92.0	0.25		1.12	26.0	19.0	٠	1	0.51	1	ı	0.85	1		1	ı			1	1.13		1	0.21	1	0.04	1	12 12 14 15	
AIB.	.n.	.shargians.	25.	12.33	13.67	12.88	1	14.00	15.11	11.39	1	1	2.33	1	1	5.80	4	ı	1	1	1	1 1	1	11.94	1	1	1.72	1	10.17	1	10.00	18.72
OF THE	Mean.	dishrenheit.	21.	54.2	26.6]	55.1	1 1	57.2		52.5	ı	1	54.2]	1	1	55.2	1	ě	į	ı	1	1 1	1	53.5 1	1	1	53.1	1	20.3 1	1		57.5
ATURE	.t.	E Lowes	20.	38.0	9.74	8.9	1 1	0.19		0.0			13.5	1	1	1.6°	1	1	•	1	1		,	41.5	1	1	38.0		0.8	1	100	47.3
TEMPERATURE OF THE AIR.	.18	Higher Shrenheit Lowes	19.	75.4	75.4	68.0	1 -	8.04		6.99		ı	70.5	1	1	67.6 4	,			1	ı.	£ 1	1	69.4	ī	-	8.0 3	1	£ 0.29	t		4 4 67.3
Rate T	saths	Dieesses in Cols. 6-12.	18.	2.2	2.6	1.3	L.I	2.0.2	7.0	3.8 3.8	2.3	0.0		2.1	2.0	-	67 63	3.0	4	12.0	# O	0.1	1.8	2.5	1	9.1	1.5	1.2		1.3		1.80
Annual Rate per 1006,	to the	From All Causes.	17.	2.5	16.5	2.01	19.3	23.8	11.5	55.2	17.2	13.5	9.6	0.71	6.41	20.2	20.2	26.5	18.2	17.8	17.7	6.71	20.3	1.41	6.41	0.13	12.1	19.61	1.13	12.0	١.	25.2
A 8	· fils	Uncertified to To To To To To To To To To To To To To	16.	£4 1	9 1	1	1 1	21	2	1	2 1	-		-			<u>-</u>		63		21 1	1 6		- 60		_	-	1 1	1	1 1	1-	29 29 29 29 29 29 29 29 29 29 29 29 29 2
	*81	Deaths in a light of the light	15.	929	824	ئ ن ن	, ro	00	10	00	55	00	93	10	4	33	1	84	13	c)	ت د	9 6	9	10	11	12	10	9	10	7	1-	3 2 4
		Inquest Casi	14.	202	28	en -	4 -	62	94	ಣ	1>-	00	4	1	23	20	1	10	4	t	63 6	23 4	н з	4	12	70	93	1	10	49		P+ 0+ 10
nde.	-	Vlolence.	13.	108	36	တ ့	0 1		-	67	20	63	63	1	-	16	1	61	31	ı	27 1	- 10	۱ د	6	1 1	4	93	00	63	03	-	20 10
The DRATHS registered in the Week include		.smdrrsiQ	12.	33	15	1	1 1	ž	-	ı	4	1	-	1	l.	-	63	4	-	1	1 1	-	1	6	1 01	8	67	-	-	1	-	သေးက
the We		Ferer.	11.	36	12	0	21 1	-	1	1	1	1	1	-	62	63	1	Н	-	1			1 1	4	1	1		1	67	H		H ∞ 4
red in	s from	Whooping-	10.	63	53	-	1 -	1	-	-	1	1	1	61	_	9	00	ೲ	ಎ	63	1	1 -	4 3	3	-	-	-	ı	63	;(-	23 44 70
registe	Deaths from	Diphtheris.	6	33	24	_	1 -	4	1	1	ı	1	1	1	1	67	1	00	22	1	1	1	1			1	1	1	1	1	-	31 63 1
EATES		Scarlet Fever.	00	51	1	1	1 1	1-4	1	67	61	3	1	1	1	10	23	00	00	1	1	5	51		-	4 4	-	67	-		-	1 11
The Di		Measles	7.	148	100	1	1 8	1	1	1	14	1		-		21	1	60			t	1	1		1 1	73	-	1		1	-	24.
	-	.xoq-lism8	- 6.	-	1	1	1 1	-		-		-	-		-		1		1	-	-		1 1				_	-			-	1 1 1
	0	Persons aged 60 Yests and upwards	5.	719	316	0	19	. 13	21	- 	36	11	14	00	20	36	11	36	G	17	6	GO 1		17	96	3 2	13	13	10	9	-	2 8 4
	Dead	infants under 1 Year of Age.	4.	684	207	1	10	- 00	10	1-	39	11	10	20	00	09	90	30	16	1-	00	Lo 1	0 1	10	01	27	14	12	61	7		11 28 38
during	1880.	ДЕАТН8.	100	3199	1375	25	53	36	51	36	152	39	45	27	36	244	46	191	98	50	42	₹ 1 00	300	94	125	134	62	51	99	59	1	259 171
Registered during	the Week ending, 14th June, 1850.	BIRTES. D	2;	5672	2477	53	28 27	44	142	99	248	16	115	89	64	829	75	979	157	75	85	89	45	191	259	199	129	84	181	81	-	374
=	Z	to the middle of the Year 1890.*	1.	9,715,559	4.421.661	123,659	142,952	78.780	232,248	83,406	461,865	154,344	244,909	100,871	105,049	613,463	115,846	879,437	242,509	146,716	123,553	105,163	82,034	240.515	863,799	\$32,837	213,833	136,506	162,987	117,012	Office a day	530,208 363,082
-	A .		Cols.		•				•	NO	•		•					٠						5	٠	•	٠	۰		٠		
	CITIES	AND HOROUGHS.	°C Co	28 Towns	Townow	BRIGHTON .	PORTEMOUTE	NORWICH .	Instruct.	W OLVERHAMPTON	RIRMINGHAM	1 LICESTER .	NOTTINGHAM	DERBY	BIREBNHEAD	LIVERPOOL .	BOLTON -	MANCHESTER	SALFORD .	OLDHAM -	BN	PRESTON	HALIBAX .	BRADFORD .	LEEDS	SHEFFIRED .	HOLL .	SUNDERLAND	NEWCASTLE .	CARDIEP .	A Company	GLASGOW DUBLIK .

Table 2. LONDON.—Births and Deaths Registered in the TWENTY-FOURTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2368	2480	2493	2477	2805	2375	2287	2513	2399	2396	2681·8	2477
	1187	1277	1213	1275	1463	1212	1155	1226	1260	1201	1359·7	1298
	1181	1203	1 2 80	1202	1342	1163	1182	1287	1139	1195	1322·1	1179
TOTAL Deaths Males Females .	1243	1403	1335	1279	1450	1284	1182	1390	1167	1247	1415·4	1375
	661	730	665	658	762	666	623	709	628	635	734·6	721
	582	673	670	621	688	618	559	681	539	612	680·8	654

^{*} The numbers in this column are the average weekly numbers in the twenty-fourth weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

						_	The Real Property lies	-				_	
			ar. Apr 9. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.
TOTAL Births	2	2534 25	2329	2360	2935	2538	2613	2308	2468	2443	2091	2399	2477
Total Deaths	1	1637 15	71 1419	1619	1611	1567	1533	1469	1466	1451	1411	1393	1375
Ages at Death Death 0—20 ye 20—40 40—60 60—80 80 years 8	"	193 2 296 2 342 3	43 657 04 183 64 239 09 285 51 55	774 204 275 308 58	782 177 282 291 79	742 197 255 313 60	721 210 227 305 70	712 170 243 274 70	707 178 261 257 63	789 166 235 239 72	713 186 222 244 46	667 186 250 235 55	658 172 229 247 69
$ \begin{cases} $		270 3	66 310 04 253 73 94	372 298 104	356 322 104	369 286 -87	337 294 90	360 251 101	339 266 102	335 307 97	349 250 114	285 280 102	297 267 94
", ", Typhus ", Enteric ", Simple ", Diarrho " Dyse	fever - ing-cough fever - Contafever ca and ontery -	11 23 76 1 7 7 14	- 45 35 10 8 30 20 01 84 - 7 1 1 13 10		65 13 17 106 - 8 -	61 17 20 88 - 6 1	1 67 15 18 86 1 6 - 21	-62 12 25 99 -3 -11	70 17 21 88 - 8 2	1 94 15 24 91 - 6 -	83 14 25 78 1 3	91 11 20 75 1 7 1 8	100 11 24 59 - 11 1
,, ,,	above-		07 160	181	220	206	215	212	223	242	214	215	221
" " Dis. of tory " " Phthisis " " Dis. of	Respira- }	169 1.	75 296 54 180 20 114	384 174 151	280 189 133	345 154 119	326 143 140	301 139 132	300 154 124	29 4 117 121	259 116 117	2 2 9 138 131	240 138 122
Violent Deaths - Inquest Cases - Deaths in Public Ins		115 1	61 36 17 85 77 362	60 133 382	41 105 338	61 125 374	61 124 342	62 134 326	45 100 376	66 119 324	64 123 328	50 109 331	36 87 324
TEMPERATURE OF THE Mean of Highest re Mean of Lowest re	eadings - 5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.0 43.8 1.3 54.9 1.6 33.1	43·2 52·0 37·0	6.1 53.8 39.9	47·1 56·7 40·1	50·7 62·2 38·9	52·4 61·6 44·6	55·3 67·4 45·6	58·3 71·0 45·6	54·0 65·9 44·0	56·5 67·0 48·1	56.6 67.9 48.1
Humidity of the Air Rain-fall in inches Registered Sunshine		0.81 0.	4 72 41 0·00 •6 59·8	72 0·29 22·0	81 0·38 27·0	82 1·00 15·9	67 0·07 6 3 ·9	80 0·56 14·2	69 0·56 54·0	65 0·14 71·2	65 0·07 51·9	76 0·31 25·1	81 0·76 28·4

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R. Sz.—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-humpton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Notting, nam; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., E.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different Causes in the Twenty-Fourth Week of the Year 1890.

				Tw	ENT	Y-F	OUI	RTH	We	ek of the Year 1890.									
	r the years		Satu	the irday	Wee, 14t	k en h Jui	ding ne 18	90.			tor the			n the					
	20		D	aths	of P	erso:	ns of				ges to		De	eaths tl	of Po		as of		
AUSES OF DEATH.	Corrected Averages 24th Weeks of the 1 1880-89.	ALL AGES.	0-1.	Indet 20.	5-20.	2) and under 40.	40 and under 60.	60 and under 80.	ou Kears and upwards.	CAUSES OF DEATH.	Corrected Averages 24th Weeks of the 1 1880-39.*	ALL AGES.	0-1.	70.	5-20.	20 and under 40.	40 and under 60.	1 co	80 Years and
LL CAUSES	1415.4	1375	297	267	94	172	229	247	69	Diseases of Organs of Special Sense †}	2.3	2	-	-	2	-	-	-	-
Small- pox Vaccinated; - Unvaccinated No Statement	}16.8	-	-	-		-			-	Diseases of Circulatory } System }	94.1	122	2	1	8	19	38	48	6
feasles	59 0 26·1 0·4	100 11 -	17 1	74	9		1 1		-	Croup Bronchitls Pneumonia	11.6 112.5 73.7	7 103 97	3 38 15	2 23 23	2 1 9	1 18	11 17 3	24 14	5
telapsing Fever †	0.0 0.0 50.4	- - 59	20	37	- 2	-	-		-	Pleurisy - Other Diseases of Respi- ratory System}	4'0 23'4	6 27	7	5	1	-	5	9	1
Diphtheria Simple Continued and } Hi-defined Fever }	18·5 1·3 10·5	2 £ 1 11	- 1	15	8 -	1 - 3	1	-	-	Dentition † Quinsy, Sore Throat † - Enteritis Peritonitis Diseases of Liver	12.7 3.1 7.3 5.5 82.0	8 1 13 5 20	6 -4 -1	2 1 5 -	1 2	- 2 2 3	1 1 6	9	1
Cholera	0.8 28.6 0.3	15	6	1	-		3	5	1	Other Diseases of Digestive System -}	28.7	25	4	4	1	3	1	12	-
Iydrophobia landers lowpox and Effects of \	0.0			-	-	-	-	1,1	-	Diseases of Lymphatic System & of Ductless Glands † Diseases of Urinary	1.1	1	-	2	-	1	20	13	-
Vaccination †	8·8 4·6 2·4	8 6 1	6	1 1 1	-	1 2	1	1	-	System} Diseases of Generative \	34.9	41	-		-	2	3	-	2
Pyæmia and Septicæmia † Puerperal Fever – – Other Zymotic Diseases †	3·9 2·7	5	-	1	1 -	4	-	-	-	Accidents of Childbirth - Diseases of Locomotive	4.4	3 6	-	-	-	3	1	<u>-</u>	-
Thrush	0.3	2	2 -	-	-	-	-	-		System † } Diseases of Integumen-tary System }	4.9	5	1	1	4	1	1	-	1
Starvation, Want of Breast-milk †)	0.7	1	-	1		- 2	- 8	- 1	-	VIOLENT DEATHS.\$			-			_			
Rheumatic Fever. Rheumatism of Heartt	0.0	7	-	-	2	1	3	1	-	(ACCIDENT.) Fracture and Contusion Gunshot Wound Cut, Stab	0.1 0.0 10.8	17		2	4	5 -	2 -	8 -	1 -
Rheumatism † Gout Rickets † Cancer	3·2 5·7 51·5	2 2 6 47	- 4	2	-	1 - 5	1 - 16	1 - 21	1 - 4	Burn and Scald Poison	4.5 1.1 9.3 8.7 2.5	2 2 3 4 2	- 3 2	2 -	1 1	1 -	2	1	11111
Fabes Mesenterica – Fubercular Meningitis – Phthisis – – –	22.7 27.7 163.6	23 24 138	13 2 2	6 18 2	3 3 11	1 63	48	7		(Homicide.) Murder & Manslaughter	1.7	1	-	-	-	-	1	-	-
Scrofula, Tuberculosis - Other Constitutional Diseases †	9.3	12 6	3 -	7	1	-	2	3	-	(Suicide.) Gunshot Wound	0.8	1	-	-	-	1	-	-	-
Premature Birth Atelectaeis + Congenital Malforma-}	37°0 8°2 6°0	40 1 3	40 1 2	-	- 1		-	-	-	Cut, Stab Poison Drowning Otherwise	1.5 2.0 1.5 2.4 0.4	1 1 1 1		11111		1	1	1-1-1-1	
tions	46.9	55	-	-	-	-	-	21	81	(Execution.)	0.0	1		-	-	1	-	-	-
Epilepsy Convulsions	8°4 45 7	4 30 87	27	1 2	1	1 -	10 1 -	27	- 8	Other Causes †	54.6	53	50	4	1	-	2	1	-
and Nervous System	01 1	81	11	11	4	11	20	22	0			1	-]				

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9 046 per cent, for increase of population

Those cases of small-pox only are returned as "vaccinated" or as "unacounated" which are so certified by registered medical man. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not carried by a registered precision.

sections, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, assumed to the cases are classed under "accident or negligence."

A A 3

TABLE 5. LONDON .-- FOPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLES during the Week ending

		-				-							duri	ng t	ne v	v ees	end	ing
							The	DE.	ATHS	regisi	ered	in the	Wa	kine	lude			9.
	Cnume-			Deat	hs of					Desi	hs fr	om				1.	-	
REGISTRATION SUB-DISTRICTS.	rated Fopu- lition 1881	Total BIRTHS.	Total DEATER.	Year of Age.	Fersons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typnoid) Fever.	simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
rondon · ·	3,815,704	2477	1375	297	316	_	100	11	24	59	-	11	1	15	36	87	324	3
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS FROUND DISTRICTS METROPOLITAN ASTUM HOS- PITALS OUTSIDE REGISTRATION LONDON	669,688 905,947 282,288 692,738 1,965,148	359 549 153 522 894	259 259 97 271 458	72 52 21 57 95	63 69 11 67 106	-	31 21 4 15 29	3 2 - 5 1	4 8 5 7	3 8 7 13 28	-	2 2 1 1 5 -	1	2 7 1 1 4	4 5 3 5 19	11 16 7 23 30	78 53 31 65 93	2 6
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M. St. John Paddington H G.J. Kensington Town Ww W.M. Enompton H - W.M. & G.J. W.M. & G.J. W.M. & G.J.	69888 37330 120141 43010 7599 64340	37 8 68 14 4	35 10 59 12 1	14 4 4	5 2 11 3 -	11 11 11	7 1 10 2	1 1 -	1 - 2	1	11111	11 11 11	11 11 11	11 11 11	ī - - ī	2 -	6 4 17 1	11111
St. Paul Hammersmith H W.M. & G.J. Fulham Wwo. — W.M. & C. Chelses South HHH — W.M. & C. Chelses North-east WHHHHH — C. Chelses North-east — C. May Fair WW — G.J. & C. St. John Westminster HHH — C. St. Margaret Westminster H — C. St. Margaret Westminster H — C. St. St. John Westminster WHH N.R. & G.J. St. James Westminster WHH N.R. & G.J.	42900 30396 24925 32807 80353 59220 35496 24679 29941	77 17 4 20 5 81 13 6	37 15 25 10 6 26 16 5	11 4 4 2 - 7 4 - 3	9 4 10 1 4 5 3 -	-	3 1 2 - 3 2	1		1 - 1	1 1 1 1 1 1 1 1	2	1 1 1 1 1 1 1 1 1	1	1	2 - 1 - 2 1	8 1 16 - 5 9 2 4 1	1 1 6 7 7 7 1 1 1
St. Anne Soho HHHHHHHH - N R. NORTH DISTRICTS. All Souls Marylebone HHHHHH W.M. Cavendish Square HHHH W.M. Restory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christohurch Marylebone /// - W.M. St. John Marylebone // - W.M. Hampstead Www. HHHH N.R. & W.M.	26759 14891 24809 21118 33700 33638 45452	8 4 13 27 19 16 26	8 1 7 4 8 7	1 1 2 2 1	1 1 2 1 3 1	-	1 2 1 - 1	-	1				1	1	1	1 - 1 1 1	6 -1 2	
Regent's Park Pancras H - W.M.	89115 27729 30247 84369 17811 87487 67946 100976 61835 52048	17 18 17 31 9 65 83 57 33	8 6 6 15 6 25 28 22 18 18	1 3 5 5 7 5 3	3 1 2 1 5 11 4 9		1 2 - 1 - 3 1 1	TILL TITLE	1	1 - 2 1 - 1	111111111	1		2 2 1		1 1 - 2 2 3	- 2 - 2 2 2 16 1	
Stoke Newington H N.R. Stamford Hill E.L. West Hackney H N.R. Hackney $Wuvuvll$ E.L. &N.R. South Hackney E.L. &L.	22781 9277 87610 76911 39888	17 6 24 59 26	5 3 12 36 5	1 8 8 1	1 3 15		2 3 1 1	1	- 6	1 2 -		1111		1	1	1 1 1 -	1 20 -	
St. deorge Bloomebury	16681 14864 13837 17508 7515 8559	8 29 1 4 6	2 7 3 8 1 5 2	1	1 - 1		1	1111,611	1111111		111111	1		1	1111 1111	1 - 1	- 4 - 2 - 2 2	
St. deco-the-Martyr HHHHHHH N.R.	18671 10706 6588 17516 19281 14773 17508 11541 18628 9217 7468 ————————————————————————————————————	11 6 1 13 12 4 7 8 22 5 2	7 24 4 5 5 4 8 8 3 3 1 1 1 1 1 1 9 3 8 -	1 2 1 8 2 2 1 - 1 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1			1 1 1				THE PROPERTY OF THE PARTY OF TH	1 1 1 1 1 1 1 2 1	1	5	

NOTE—The Italia letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in) which paupers are received; w—Workhouse Establishment receiving immates from other Districts than that in which it stands, (see note at the out of next page). The Roman capitals signify the Wasse Companies which supply the different sub-districts:—J. J. signifies Grand Junction Company; W. M. West Middlesex; G. Challes; S. Suthwark and Vaurnall; L. Lambach; N. R. New River; E. L., East London; and K., the Kent Company.

er, Dipptheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in each Sub-district

				_			Th	e Da	ATHS	regie	tered	in the	Wee	ek in	olude.			
	Enume-			Dea	ths of	-				Deal	hs fro	m	V-mappenson.			1	10	1 29
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATES.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtherra.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fever	Simple con-	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
East Districts. iiteh South† HL^w N.R. in New Town w N.R. in Old Town $-$ - N.R. erston WH - N.R. & E.L.	22848 29937 28036 46275	11 16 21 39	10 12 14 19	2 3 3 1	2 3 5 6		3 3	1111.	1111	311	1111	1111	1111	1111	- - 1	2 1 3 1	1 2 - 6	
al Green North H - E.L. al Green East WHL^* - E.L.	51157 34399 41405	39 32 29	9 8 15	2 2 2	1 1 1	-		-		-	-	-	111	1 7 1	Ē	1	7	
fields E.L. & N.R. end New Town W E.L. chapel Church H E.L. & N.R. ann's Fields E.L. te N.R. & E.L.	22585 15473 17490 9713 6102	20 24 15 2 1	6 8 21 1	1 7 -	1 - 5 H(CO - 1)		3 -	-1111	1	1	1111	11011	1111	11111	1	1 2	4 14	1111
orge's North E.L. hn, St. George East W - E.L.	88747 8410	41 9	13	გ -	1	-	1 -	-	·ī	1 -	-	-	-	-	-	1	2	1 -
reli H E.L. & N.R	10895 16107 82041	4 7 17	9 5 10	1 2 5	2 -	-	1 -	-	1	2	-		-		1	2 -	3 -	-
End Old Town West H - E.L. End Old Town East WwwH- E.L.	87960 67653	86 48	22 21	3 5	7	-		-	-=	1	. =	1 -	-	ī	-	2	4	1 -
ey wwwH E.L.	87074 64859 55077	28- 49 39	13 34 15	5 4 8	6 16 5	1 1 1	2		2	ī	-	-	-	1.1.1	2 -	3 1	19 1	7 7 7
SOUTH DISTRICTS. church Southwark WH L, & 8. riour Southwark S. road 8. & L. gh-road WH 8. & L. n-road HL - L. & 8. Newington - 8. & L. ter Walworth W - 8. & L. Ty Newington - L. & 8.	13663 14999 21881 15953 21318 26672 59555 21623	2 8 13 12 16 18 44 12	5 6 7 10 5 9 23 5	2 2 1 2 8 1	1 2 - 1 3 3 -		22	1		2 1 1 - 9 1	1111111	resista .	1111111	1111111		1 - 2 - 1 1	6 1	2 1
ve WH S. & L. ry Market S. & L. ry Magdalen W - S. mes Bermondsey - S. & K.	11956 16300 15669 54682 86024	7 11 13 28 18	9 4 11 10 13	2 2 1 1 5	2 5 3 2	1111	2	11111	11111	2 1		1	1111	1111	1 1 1 1 -	3 1 1 2 -	6 4 -	1
loc-road lef H - L, & S, loc-road 2nd L, & S, loc-road 2nd L, & S, & L, loc-road 2nd L, & S, loc-road 2nd L, & S, loc-road 2nd 2nd 2nd 2nd 2nd 2nd 2nd 2nd 2nd 2n	15195 16851 19876 39859 45282 35882 62887 19017	6 18 16 36 32 14 51	7 3 13 29 16 5 15	2 2 2 5 3 - 3 2	1 1 10 8 1 1 5	11111111	4 2 2 1 1	1 1 1 1 1 1	1	1 1 1 1 1 1 1	1111111	2 -	1 1 1 1 1 1 1 1	1	1 1 1 1	1 1 - 1 1 - 1 - 1	1 5 14 - 1	
	54675 52587 36380 28004 13235 25553	57 53 24 28 7 21	25 25 12 10 6 11	6 4 1 4 1 3	3 8 4 - 2 2	11111	5 2 1 1	111111	2	4 1 1 - 8	111111	11111		1	1 1 2	3 3 - 2 1 -	8 - 21 -	111111
h - L. & S. rwell WwL*L* - S. & L. m W S., L., & K. rge Camberwell - L. & S.	5590 59104 71089 50810	2 27 41 87	32 11 15	8 3 2	7 5 1		1		1.1.1.1	1 1			1 1 1	-	2	ī -	20	1 1 1 1
d Deptford ow 'K, holas Deptford K, rich West H K, rich East WHH K,	76752 7901 21972 24603	62 6 8 14	25 2 8 17	1 4	7		1 - 1	3 -	1	1 = -		2		1 1 1 1	2	1 -	6 - 8	1111
# K. am WH K. am H L.	5048 21559 19865 26076	2 12 14 18	2 3 7 6	2 1	2 - 2	1 1 1 1		-11-1	- 2	 1					-		1 1 1	1111
n HH K, teh Dockyard K, toh Arsenal HH K, and, West H K, ead, East W K,	10930 17617 19048 14009 19241	10 15 8 38	3 2 8 3 1s	1 2 1 4	1 1 2 8	1111	111111	11111	14 1 14	1		1 1 2 1 1		- 2 -	1 2	1 2	1 5	11111
olitan Asylum Hospitals: tford w	:	-	i	-	-	-	1	- 1		-	-	-	-	-	-	-	ī	-

ollowing Workhouse Establishments 37e indicated in the above Table by w (see note at foot of preceding page):-

very leading the state of the s

TABLE 6.—LONDON.—OUTER RING. — AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 14th June, 1890.

		Area		1	#	1			The D	EATH	regist	ered I	n the	Week	inelude			-
Regis- tration		in Acres.	¥0			Das	ths of	1	- 10 2			s from					i	T
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-sough,	Fever.	Diarrhose	Violence.	Inquest Cases.	Deaths in Public unstitutions.	
LON	DON-OUTER RING	370,924	950,957	782	367	82	99	-	20	2	.2	15	2	4	12	21	46	-
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	12	21	2 -	10	~	-	-	4	-	-	~	2 -	2	13	The state of the s
37:1 38:1	Godstone (part of) * - Croydon Ww L -	2754 20851	1235 101241	58	35	5	11	- 1	4	-	-	1	-	-	-	i	8	-
.89:1	Mitcham w † Wimbledon HHH -	11697 3220	17982 15950	15 6	5	2 2	1	-	1 -	-	•	+				1	-	-
2 3 4	Kingston WHH Esher (part of) * - Hampton H	8549 6601 4373	36354 9221 18539	30 7 5	16 2 1	8	1	ŀ	-	-	-	1	-	-			*	Sandan de la carrigione
40:1	Richmond WH Mortlake	2272 2941	21302 12331	14	9	1	5 4	-		-1	-	+	-	-	1	1	8 -	
41:1 2	Bromley (pt. of) * HH Chishrst(pt.of) * WHH	15669 14807	81142 15844	29	6 9	1 3	8	-	1	-	-	1	-	4		-	2	
42:1	Bexley H Dartford (Ww, pts. of)*!	18437	24184	17 1	4 2	4	1 -	-	-	-	-	4	-	-	-	7	2	
124: 1	Sunbury to Staines W	11055	11685	4	3	1 1 0	2 -	-	-	7	-	4 4	-	-	-	-	-	
125:1	Hillingdon WHH - Uxbridge Hayes wHL	6029 61 7 8 14587	10802 3225 11523	9 2 -	8 2 8	2 - 1	2 2		- 9	-		1	-	9 8 8		3 ~	1	-
126: 1	Isleworth WHH - Twickenham H	7008 2477	227 27 12479	12 11	6 5	8 1	2	-	1	-	1	1	-	-	-	-	1 -	-
8 4 5	Brentford HL Chiswick Acton wH	4845 1340 6088	27649 15975 22876	7 10	6 3 5	3 -	1 2	-	-	-		-	-	1 1	-	-	-	
127:1	Harrow H Edgware H	13809 6994	12796 3749	14	1	-	-	-	-	-	-	-	-	1.1	-	-	- 3	
3 4 137:1	Willesden Hendon W	4383 8382	27453 10484	36 6	16	4 2	-	-	-	-	-	1 -	-	1 -	1	1	2.	-
2 128;1	Watford (W, pt. of)* - South Min.ms -	9331	6891	5 - 7	-	- 1	-	-	-	-	-	-		-	-	-	-	-
2 3	Barnet Finchley HL	54 83 46 38	10092 17615	9	4 5	1	1	-	-	-	-	-	-	1	1	1 -	1 4	
135;1	Hatfield (part of) * - Hornsey H	8806 8089	583 37078	1 29	1 19	2	1 6	-	-	-	-	1	-		-	1	-	
2 8 4	Tottenham H Edmonton Ww - Enfield WH	4642 7488 12653	46456 28468 19104	59 27 18	29 10	8	4 3 1	-	9	1	-	-	1 -	1		1	8 -	
5	Waltham Abbey Cheshunt	11017 8480	5868 7735	4 6	1	-	1	-	-	-	-	-	-		-	-	1	
186:1	Stratford West Ham ww H - East Ham ww	882 4055 3296	38 60 6 903 47 107 0 6	28 102 18	19 29 8	10 2	5 7 1	-	-	-	1 1 2	1		-	3 2	3	-	
4 8	Leyton WwL Walthamstow H -	4372 6520	32430 28869	38 83	19 13	5 . \$	7 2	-	2	-	1 -	2	1	- 2	-	-	3	
187:1	Chigwell (part of) * H Epping (W, pt. of) * -	11761	9669	7	2 -	2 -	-	-	-	-	-	-	-	-	1.1	-	-	-
189:1	Romford (part of) * W Ilford Barking Town	6730 8493 4127	3411 7645 9203	1 2 17	2 1 3	2	1 - 1	-	-	-	-	-	-	4	1 4 1	7 4	3	-

a The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: 30:2, Epsom sub-district, except the parishes of Ashatead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godatons as district; 39:3, Esher sub-district, except the parish of Esher (pop. 1263); 41:1, Bromley sub-district, except the parish of Esher (pop. 1263); 41:2, Chiselaurst sub-district, except the parish of Farley and 15:1, Bromley sub-district, except the parish of Northwen in Hatefa sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875): 189:1, the parish of Northwen in Hatefa sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875): 189:1, the parish of Dagemham in Romford sub-district, 187:2, Watford, and 137:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

**Metropolitan Asylum Hospital (see Table 5).

**Exclusive of deaths of London Workhouse and in Metropelly Asylum Hospital (see Table 5).

**Exclusive of London Residents in Strand Union Workhouse and in Metropelly Asylum Hospital (see Table 5).

Asylum Hospital, Winchmore Hill (see Table 5).

Ou let January the two parishes of East Ham and Little Dord were separated from the registration and district of West Ham, and we constituted the registration sub-distr & of East Ham

CABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 14th June, 1890.

	Area			L RATE		The DEATHS registered in the Week includ									de	
GREATER	in Aeres,	Estimated Population.	of MORTALITY per 1000 living.		DEATHS from	Dead	Deaths from								ublie ns.	
LONDON.	including tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.	T. Cio
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.		11.	-	13.		15.	16
ATER LONDON	448,334	5,758,500	15.8	2.4	1742	379	415		120	13	26	74	14	19	48	370
UTER RING -	77,410 370,924	4,421,661 1,336,839	16·2 14·3	2·6 1·8	1375 367	297 82	316 99	-	100	11	24	50 15	12 2	15	36 12	32 4

TE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 00.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 Foreign Cities, having an estimated Aggregate Population of 17,249,051 Persons.

	POPULATION				ANNUAL	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.								
Citine.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.		
CUTTA -	433,219	April 19		345	41.0	00		1		-	# 70			
CBAY .	773,196	May 27		340	41.2	33	1	-	-	1	123	47†		
DRAS . :	398,777	2	336	349	45.4	3	13	9	9	2	137	37		
crs	2,260,945	June 7	1071	936										
USSRLS	477,288		258	187	21.5	1	69	9	22*	14	12	70		
8 Faubourgs.)	312,200	20	200	107	21.0	2	7	1	-	5	1	12		
STERDAM -	406,302	., 7	240	180	23.0	-	4	1	5	. 1	2	3		
TTERDAM -	203,486	,, 7	144	74	18.9	-	-		-	2	-	-		
HAGUE -	156,497	n 7	119	54	17.9	-	-	-	-	-	-	-		
BNHAGEN -	812,387	, · · · · · · · · · · · · · · · · · · ·	183	148	24.7	-	11	1	9	7	1	8		
CKHOLM .	236 350	May 31	141	92	20.2		-	6	4*	1	_	15		
BISTIANIA -	143,300	June 7	56	53	19.2	-	200	1	3		2	8		
PETERSBURG	924,466	May 31	-	488	27.5	2	30	24	6	3	14	52		
ILIN	1,526,887	24	891	646	21.8		17	4	33	9	1	90		
MBURG(State)	575,276	n. 31	397	234	21.2	-	10	- 100	7*	1	1			
ESDEN	269,250	29. 31	198	96	18.2	1	7		4*	-	-	8.		
BSLAU	324,143	June 7	212	170	27.8	-	page v	3	13*	2	-	9		
NICH	298,000	. yz: 7	215	174	30.4	-	3	-	6*	2	200	38		
INNA = -	822,176	73	576	400	25.3	2	22	. 1	8	3	2	29		
DA-PRSTH	314,425	» 7	-	163	27.0	1	9	2	8	2	1	1		
DA-PESTH .	463,017 160,092	May 31 June 7	332	310	34.8	-	1	2	11	1	2	51		
			115	76	24.7	-	-		2*	2	-	6		
(10 days)	418,217	May 10 April 20	213 237	159 203	19.8	2	6	- 1	4 4	2 2	2‡ 3	8 23		
(10 ,,	3 120,021	30	205	212	24'5	3	5	-	1	3	1	20		
SICE	156.515	May 24	74	58	19.3	2	-	-	1	-	2	6		
TRO	37.4,838	n. 29	323	302	41.9	200	1		2*	3	25	104		
EXANDRIA -	231,396	is 29	. 137	183	41.1	100	1	-	100	-	12	47		
W YORK -	1,595,547	op. 24	1	751	24.3	-	30	6	26	4	1	20		
DOEFAR .	859,612	. 24	-	295	17.9	-	- 4	1	15	4	-	2		
CLADRIPHIA -	1,064,277	30 - 24	-	337	16.2	-	1	1	10	4	8	5		
LTIMORE .	500,848	n	-	229	23*8	-	2	-	4	1	2	45		
W ORLEANS.	254,000	April 26	-	-	-	-	-	-	-	-	-	-		
					1	MEDICAL DIS	the Astronomy of Park	CA AND COMPANY	Table Control of the last of t	4.70	1	The same of the sa		

Including deaths from croup.
 † Including 27 deaths from cholera in Calcutta.
 ‡ Malarial fever.

TABLE 9.-METEURULUGICAL OBSERVATIONS taken at the HOYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 14rH JUNE, 1890. [Under the Superintendence of the Astronomer Boyal.]

Meleorological Coservations.																						
			Ozone.		5.5.	8.8	8.5	0.4	8.0	0.0	0.0	2.2	27	а; по	of the	imum imum ie air	ygro-	and",	below and the	The ;	show	60 vue
ı	Rain	in a	Gauge whose receiving	surface is 5 inches above the Ground.	in. 0.16	0.01	0.14	0.33	0.10	0.03	00.0	Sum 0.76	26	f the se	The means of thermometer, from a discuss he barometer,	the max re of the	photogr	875.	ro feet Deptford ns fron	ometer.	rument,	Physias
				Departure from Average of 18 Years.	Miles.	1	98 -	+ 54	-151	+100	- 74	Sum -306	25	n level o	M. The ulb ther ced fron or the ba	eadings of the maximum temperature of the air	by Glais n of the	ending 1	th of tw ket at L structio	g Electrerate; s	Sunshine Instrument, show	our as al
١			Robinson's.	Horizontal to of the Air on each Day.	Miles.	202	168	308	102	352	176	Sum 1462	0.4 4.0	the mea.	nd 9h. P.) he wet b ons dedu ng 1873 f	the read of ten ree of h	and wer bulb incrinometers by Gaissner's Hygro- that derived from a discussion of the photographic	le years	at a depititle Mar	is derived from Thomson's self-registering Blectrometer. The positive; N. negative; w. weak; m. moderate; s. strong; and	s Sunsh	ginning
١	Wind as deduced from Anemometers.		60	Mean Mc of 24 of hourly or obs.	lbs. N	0.0	1.0	0.5	0.0	4.0	0.0		23	t above	r, and the source time of the so	the mean daily value of temperature and degree of	therma form a d	or the l	eign Ca arket, 1	s self-r weak;	Il-Stoke	t the be
	Anem		e on the Foot.	Least. ho	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0		22	159 fee	omete on of try year	cted notice the start of the st	ived f	cords a	re susj ne For he M	omson	umpbe day.	17 in. a
	sed from		Pressure on the Square Foot.	Great- Le	lbs. 11	0.2	1.2	2.5	0.0	3.0	0 4.0	:	21 2	ter is 1	therm plicati e twen	e corre	at der	tric re	s of the	m Thone	the Cs	om 30.
ı	ne dedu	Osler's.		Gr							<i>»</i>	1	3	arome lings t	h. A.M.	ned th ng th yint te	dry ar	mome	he Thr jettier e Cler	derived from	from	tht.
r reoyat.	Wind	[sO	General Direction.	P.M.	SSW. &	SW. & SSW	SSE. & SW.	SSW. & SW.	Calma NNE	×	N. ESE.	SSW.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.	Observations are usually taken at 9h. A.M.; moon; 8h. P.M.; and 9h. P.M. The means of the epg-readings of the berometer, the dry builb thermometer, and the wet builb thermometer, and converted into mean daily values by the application of corrections deduced from a discussion of the photographic records and deducing the theory years ending 18% for the barometer, and of the photographic records.	during the wellty years situal good for the documented. The readings of the maximum of the dry bulb thermometer is combined the documented mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced	merrical Tables. The average temperature of the first and wee bulb chermometers by crassners Hygro- merrical Tables. The average temperature divide a second control of the control of t	of the air from a discussion of the amenometric records for the 16 years ending 1875, In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and the statement of th	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Olerk of the Market, under instructions from the Commentation of Landau Landau.	y is derive	V. variable. The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agracement duration to Dright sunshine or each day. The agracement of Dright sunshine or each day.	The results of all the mercertogical operations are no be understood as applying to the civil day, or from midnight to midnight. The reading of the barometer decreased from 30.17 in at the beginning of the week to 20.44 in.
			General	A.M.	ESE, & SE.	SW. & WSW.	Calm & SE.	SW. & SSW.	SSW. SW. &	N. & NNW.	Ä.	SW. &	19	e cistern applied t	usually t baromete in daily v records	mean dai	ily value	scussion of	The thermometers in the was esurface, at the end of one eir readings are registered	The record of Electricity symbols employed are :P.	solumn 2 tion of bi	nidnight e barome
		1 8	i.	£ 4					_		00	1		of the	of the to me	ib then	les.	m a di	ometer at the gs are	d of I	ers in	from r
	JRE.	ho Wot	of the Thames at Deptford.	h- Low-	0.86.5	8 59.0	4 59.6	8.69	9.62 9	6 20.0	6 59.8	3 59.5	18	height iou ha	rvatio dings ted in photog	dry bu	al Tab	air from	therm rface, readin	recordis, empl	able. numb gregat	ay, or readin
	TEMPERATURE	1 00		est High-	1 59.4	0 59.8	8 60.4	1 60.6	9.09 6	9.09 0	2 60.6	6 60.3	17	The	Obseeye-reaconver	of the and m (colum	rom t metric The	of the	The thermome the surface, at the their readings	The symbo	v. variable. The numl the aggrega	civil d
	TEMP		Of Radiation.	n. Lowest on the Grass.	8 34.1	0.14	98.8	5 43.1	0 44.9	9 47.0	9 44.5	1 41.6	16		gene-		OVET-					-
sence o		ae e		ls High. est in Sun's Rays.	129.8	138.6	139.0	137.5	0.66	88.5	115.9	121.1	15		30n; ge	; parti		aftern.	occasional		ind 8h.	
menu		Degr	Degree of Hu-midity (Saturation equals 100).		7.0	72	77	06	84	16	11	81	14	RKS.	till n	orning ess at 1	g; gene	ers till	morning;		. A.M. 8	
Super	etween	the Air Temperature and Dew Point Temperature.		Least	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.5	13	EMA]	ig : fine	arly m	morning	at th. 3	ä	13.	veen 5h	
er the	erence b			Great-	18.5	20.5	20.2	13.3	10.4	8.7	14.8	15.2	12	SAL B	mornir with fre	rening;	halo in finorning; generally rain afterwards.	thunder s	gloom)	mornir	ine bety	
1000	Diff			Mean daily value.	0.5	6.6	1.1	2.9	4.9	9.7	7.5	8.20	12	GENERAL REMARKS.	early wards,	with rain in early morning; partially fine till evening; cloudless at night.	olar ha	requent	wery;	Rain in morning,	rally; f	
ı		Of th	Dew Point.	e Mean daily e value.	- 48 0	25.0	1 52.9	52.5	51.5	51.3	48.5	20.9	10	9	Cloudless in early morning; fine till noon; overcast afterwards, with frequent rain.		Fine with solar halo in mornin	Variable: frequent thunder showers till afternoon. One flash of lightning seen at 1h, 39m. P.M.	Cloudy; showery; gloomy distant thunder during day.	Overcast, 1	Cloudy generally; fine between 5h. A.M. and 8h. A.M.	
ı	RE.			De- from Average of 20 years.	0 0 0 1	+ 2.7	+1.4	9.8 -	1.5-1	- 5.1	1.8-1	- 2.1	6.		Clou	Overcast cloudy and	Fine cast w	Var One fi	Clor	Оте	Clor	11
i	TEMPERATU		vir.	Mean daily value.	° 4.0 8.	61.2	0.09	55.1	26.1	53.8	55.4	20.99	00	Registered Sun above Sunshine, Horizon, in hours.	16.4	16.4	16.5	16.2	16.2	16.5	16.2	Sum 115.3
ı	TEMP		Of the Air.	Daily Range.	25.3	24.4	29.3	19.8	12.1	10.5	14.1	1.61	1	ine, H					00		-	
ı				Low- est.	9.6	2.09	46.1	48.3	40.5	21.0	49.3	48.1	9	Regist Sunsh in hou	, io	11.2	4.1	4.1	8.0	0.0	2.1	Sum 28.4
ı				High-	6.1.9	74.6	4.2.	1.89	9.79	61.5	63.4	6.49	10	n of te.)	•	•	ning;	A.M.;	ning;	•	w. P.	7
ı	BARO-	Mean	daily reading	rected and re- duced to \$2° Fahren- heit).	in. 30.040	698.66	29.579	29.451	29.206	29.949	30.187	29.797	7	raiciry lanation		nerally	m mor	11 9h.	v. P.	nerally	and; w	1 1
		1	Phases			Dr.	:		Equator.	:		:	9	ELECTRICITY. (For explanation of symbols, see Note.)	w. P.	w. P. generally	w. P. in morning; v. N. and w. P. after- wards.	s. N. and s. P. till Sh. A.M.;	wards. w. P. in morning: w. N. and v. P. atter- wards.	w. P. generally	w. N. and	: :
				A	0	6	10	11	12	18	14	1.	1:		00	6	9	11	12	13	14	
		000	1890.	MONTH AND DAY.	JUNE.	Mox.	TURB.	WED.	THUBS.	FRI	SAT.	MEANS	No. of Col.	DATE.	SUNDAY .	MONDAY .	TUESDAY .	WEDNESDAY	THURSDAY.	FRIDAY .	SATURDAY.	
			-	-					-	-			- Ten		0	-		5		124	60	

OFFICIAL COPY.

WEEKLY RETURN

LONDON DEATHS IN BIRTHS AND

AND IN

OTHER GREAT TOWNS. TWENTY-SEVEN

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 25. 1890. Vol. LI.

WEEK ENDING SATURDAY, JUNE 21.

[Price 11d.

General Register Office, Somerset House, 23rd June, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.9 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	Weeks	ending	17 -			Weeks	ending	
Towns.	May June 31. 7.	June 14.	June 21.	Towns.	May 31.	7.	1	June 21.
Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Derby - Halifax - Huddersfield Hull - Leeds -	17·4 19·4 15·5 16·6 19·4 18·1 22·1 29·3 16·3 18·0 17·3 17·7 15·5 11·0 13·4 18·3 16·5 20·2 23·5 21·0 19·4 17·1 17·8 14·6 17·9 20·8 14·5 11·5	17·2 17·7 20·7 17·1 10·5 11·5 12·9 14·0 20·3 14·9 15·1 17·9	18·6 18·1 23·9 18·4 11·8 13·7 14·3 15·5 19·1 18·8 15·9 14·9	Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Salford - Sheffield - Sunderland -	16.6 28.7 25.9 15.3 11.7 17.1 15.2 16.4 23.8 18.7 21.5 19.5	16·4 28·0 27·2 17·5 15·8 18·5 13·9 16·0 22·3 22·1 23·7 17·2	$\begin{array}{c} 20 \cdot 7 \\ 16 \cdot 2 \\ 26 \cdot 2 \\ 21 \cdot 1 \\ 14 \cdot 2 \\ 9 \cdot 6 \\ 17 \cdot 8 \\ 23 \cdot 8 \\ 19 \cdot 3 \\ 16 \cdot 9 \\ 18 \cdot 5 \\ 21 \cdot 0 \\ 19 \cdot 5 \\ 22 \cdot 5 \end{array}$	16·4 29·0 25·6 20·2 12·6 19·2 22·5 18·6 16·9 19·4 24·4 20·2

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1·2 in London, 1·3 in Plymouth, 1·6 in Derby, 2·3 in Liverpool, and 2·6 in Birmingham; from scarlet fever, 1·0 in Birkenhead, 1·1 in Manchester, and 1·3 in Liverpool; from whooping-cough, 1·0 in Derby; and from "fever," 1·3 in Plymouth. The 32 deaths from diphtheria included 19 in London, 3 in Derby, 3 in Salford, and 2 in Liverpool. Small-pox caused one death in Derby and one in Hull.

LONDON.

In LONDON 2516 BIRTHS and 1387 DEATHS were registered. Allowing for increase of population, the births were 200, and the deaths 29, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had steadily declined in the ten preceding weeks from 19·1 to 16·2, was 16·4 last week. During the past twelve weeks of the current quarter the death-rate averaged 17·4 per 1000, being 1·3 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

A 62359.—12. 635.—6/90. Wt.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

The 1387 deaths included 99 from measles, 15 from scarlet fever, 19 from diphtheria, 66 from whooping-cough, 6 from enteric fever, one from an ill-defined form of continued fever, 24 from diarrhæa and dysentery, 2 from cholera and choleraic diarrhæa, and not one from small-pox or typhus; thus, 232 deaths were referred to these diseases, exceeding the corrected average weekly number by 5.

No death from small-pox was registered, the corrected weekly average being 18; 7 cases of this disease were under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles numbered 99, being fewer by only one than the high number in the preceding week, and exceeding the corrected average by 36. The fatal cases of scarlet fever, which had been 11 in each of the two previous weeks, increased last week to 15, but were 10 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1196 scarlet-fever patients at the end of last week, the numbers in the two previous weeks having been 1133 and 1153; 143 cases were admitted during the week, against 141 and 104 in the two previous weeks. The deaths from diphtheria, which had been 20 and 24 in the two preceding weeks, were 19 last week, and exceeded the corrected average by 2. The deaths from whooping-cough, which had declined in the four preceding weeks from 91 to 59, increased again last week to 66, exceeding the corrected average by 16. The 24 deaths from diarrhaa exceeded by 9 the number in the previous week, but were 15 below the corrected average; 19 were of children under five years of age. The death of an infant, aged 5 months, was attributed to "choleraic diarrhea, 2 days," and that of a fitter, aged 48 years, to "English " cholera, 4 days."

The deaths referred to enteric fever, which had increased from 3 to 11 in the three previous weeks, declined again last week to 6. The Metropolitan Asylum Hospitals contained 52 cases of enteric fever, and 5 of typhus, on Saturday last; 14 cases of enteric fever, and 4 of typhus, were admitted during the week.

The deaths attributed to diseases of the respiratory organs, which had been 229 and 240 in the two previous weeks, were 215 last week, exceeding the corrected

average by 2.

Different forms of violence caused 54 deaths, concerning all but 3 of which inquests were held. Of these 54 deaths, 8 were cases of suicide, and one of murder, while the remaining 45 were attributed to accident or negligence. Nine of these were caused by horses or vehicles in the streets, 2 by burns or scalds, 6 by drowning, and 9 (including 8 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3333 births and 1765 deaths were registered, corresponding to annual rates of 30'2 and 16'0 per 1000 of the estimated population. In the Outer Ring 34 deaths from measles, 10 from whooping-cough, and 6 from diarrheea were recorded. The deaths from measles included 11 in Tottenham, 3 in Edmonton, and 6 in Croydon sub-districts. Two deaths were referred to diphtheria in Wimbledon, and 2 in Tottenham sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.96 ins.; the highest reading was 30.21 ins. at the beginning of the week, and the lowest 29.79 ins. on Tuesday afternoon. The mean temperature of the air was 59°.3, and 0°.7 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Monday, and corresponded with the average on Wednesday, but was below the average on the other days of the week. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 10.1 miles per hour, which was very slightly above the average in the corresponding weeks of 16 years. Rain fell on three days of the week to the aggregate amount of 0.38 of an inch. The duration of registered bright sunshine in the week was 29.3 hours, against 28.4 hours at Glynde Place, Lewes.

a
М
1
8
(B)
~2
-1
203
E.
-
40
백년
0
0
200
980
0
first
8
0
m
ote
8
Ð
9
See
4
_

CITIES C	11.52 EDINBURGH. S 11.60 GLASGOW. I 11.04 DUBLIN.	ERLAND. CASTLE.
mandoni ni		NEW
	0 2 4	0.76
	0.60	0.30
13: 13: 13: 13: 13: 13: 13: 13: 13: 13:	13.33	12.89
Mean Mean Mean Mean Mean Mean Mean Mean	56.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	41.0	
The Person of Lowest, 19. 20. 10. 10. 10. 10. 10. 10. 10. 10. 10. 1	65.5 4	
[28842] morn 1	16.9 25.9 20.8	20.2 25.6 14.3
Continue of the second of the	18 24 2 1 18 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
		63 00 TO
10 88 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	۵۰ ۵۰ ۵۱	10 20
	03 44 80	197
Distribute Dis		1 67 1 1
Translita to the second second in the second	1 03 03	1 H H 63
T	21 25	C3 1 L1
Diphtheria. 2		1 1
Red Con illier of Fever.		- 01 1 1
Weales. C. C. C. III M. C. C. C. C. C. C. C. C. C. C. C. C. C.	1 22 6	
(a) And-Heme (a) (a) I I I I I I I I I I I I I I I I I I I		- 1 1 1
1 Control of the cont	22 24 84	13 6 5
Toracia ministration of the state of the sta	148	21 22 7
	88 263	80 83
2. 2. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	137	107
	20 80 80	87
9,715,559 4,421,661 1. 9,715,559 4,421,661 128,659 142,952 95,324 88,406 100,871 105,049 100,871 105,049 105,049 105,049 105,1463 115,846 579,439 115,846 579,439 115,846 579,439 115,846 579,439 115,846 579,439 115,846 579,439 115,846 579,439 115,846 579,439 115,846 579,439 115,846 579,439	271,135 580,208 363,082	186,506 162,987 117,012
	1 1 1	
CITIES AND BURUUGHS. 28 TOWNS LONDON BRIGHTON PORREMOUTH PORREMOUTH PERSON BIRNITOL NOTIVERHAMPTON BIRNITOR LINERSIER LINERSIER BOLTON MACCHERSTER BOLTON MACCHERSTER BACKBURN HUDERSTELD HUDERSTELD HUDERSTELD HUDERSTELD HULL BRADPON ERREN BRADPON LEEDS SHEFFIELD HULL BRADPON LEEDS SHEFFIELD HULL BRADPON LEEDS SHEFFIELD HULL BRADPON LEEDS SHEFFIELD HULL BRADPON LEEDS SHEFFIELD HULL REACHERN BRADPON LEEDS SHEFFIELD HULL REACHERN BRADPON LEEDS SHEFFIELD HULL REACHERN BRADPON BRADPON LEEDS SHEFFIELD HULL HULL REACHERN BRADPON REACHERN BRADPON REACHERN BRADPON REACHERN BRADPON REACHERN BRADPON REACHERN BRADPON REACHERN BRADPON REACHERN BRADPON REACHERN BRADPON REACHERN REACHERN BRADPON REACHERN BRADPON REACHERN REACHERN BRADPON REACHERN REACH	пен	SUNDERLAND NEWCASTLE - CARDIEP -

Table 2. LONDON .- Births and Deaths Registered in the Twenty-Fifth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
TOTAL Births Males Females .	2492	2504	2398	2513	2615	2419	2617	2182	2534	2636	2716·3	2516
	1285	1264	1267	1317	1307	1255	1321	1078	1277	1353	1387·5	1295
	1207	1240	1131	1196	1308	1164	1296	1104	1257	1283	1328·8	1221
TOTAL Deaths Males Females .	1273	1399	1387	1333	1371	1279	1222	1287	1190	1243	1415·9	1387
	687	742	750	681	716	681	657	657	609	659	745·8	718
	586	657	637	652	655	5 9 8	565	630	581	584	670·1	669

^{*} The numbers in this column are the average weekly numbers in the twenty-fifth weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LUNDUNI	JIKI H	, DE	41110,	and	TELE	OROLO	JGI II	i the	Liast	THIE	TEEN	WEE	10.
	Mar. 29.	Apr.	Apr., 12.	Apr. 19.	Apr. 26.	May	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.
TOTAL Births	2543	2329	2360	2935	2538	2613	2308	2468	2443	2091	2399	2477	2516
TOTAL Deaths	1571	1419	1619	1611	1567	1533	1469	1466	1451	1411	1393	1375	1387
Ages at Death 0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & upwards	743 204 264 309 51	657 183 239 285 55	774 204 275 308 58	782 177 282 291 79	742 197 255 313 60	721 210 227 305 70	712 170 243 274 70	707 178 261 257 63	739 166 235 289 72	713 186 222 244 46	667 186 250 235 55	658 172 229 247 69	672 177 289 243 51
"" {Under 1 year - 1-5 - 5-20	366 304 73	310 253 94	372 298 104	356 322 104	369 286 87	337 294 90	360 251 101	339 266 102	335 307 97	349 250 114	285 280 102	297 267 94	318 262 92
Deaths from Small-pox "Measles - "Scarlet fever - "Diphtheria - "Whooping-cough Typhus - "Enteric fever - "SimpleContafever - "Diarrhœa and Dysentery - "Cholera -	45 10 30 101 - 7 1	- 85 8 20 84 - 2 1 10	54 12 21 79 1 4	65 13 17 106 - 8 - 11	61 17 20 88 - 6 1 13	1 67 15 18 86 1 6 - 21	62 12 25 99 - 3 -	70 17 21 88 - 8 2	1 94 15 24 91 - 6	83 14 25 78 1 3 -	91 11 20 75 1 7 1 8	100 111 24 59 - 11 1 15	99 15 19 66 1
,, ,, choicia - ,, ,, all the above- mentioned Diseases	207	160	181	220	206	215	212	223	242	214	215	221	232
" " Dis. of Respira- tory System " " Phthisis - " " Dis. of Circula- tory System	375 154 120	296 180 114	384 174 151	380 189 133	345 154 119	326 143 140	301 139 132	300 154 124	294 117 121	259 116 117	229 138 131	240 138 122	215 131 120
Violent Deaths Inquest Cases Deaths in Public Institutions	61 117 377	36 85 362	60 133 382	41 105 338	61 125 374	61 124 342	62 134 326	45 100 376	66 119 324	64 123 328	50 109 331	36 87 327	54 86 316
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	49·0 57·3 42·6	43·8 54·9 33·1	43·2 52·0 37·0	46·1 53·8 39·9	47·1 56·7 40·1	50.7 62.2 38.9	52°4 61°6 44°6	55·3 67·4 45·6	58·3 71·0 45·6	54·0 65·9 44·0	56.5 67.0 48.1	56·6 67·9 48·1	59.8 70.9 49.8
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	84 0·41 14·6	72 0·00 59·8	72 0·29 22·0	81 0·38 27·0	82 1·00 15·9	67 0·07 63·9	80 0·56 14·2	69 0·56 54·0	65 0·14 71·2	65 0·07 51·9	76 0·31 25·1	81 0·76 28·4	76 0·38 29·3

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations. (Set 13 at 16 disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

в в 3

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Twenty-fifth Week of the Year 1890.

	_			T.M	ENU	ry-F	TFT	H	W eel	of the Year 1890.									
	years					ek en t Jui					for the			In thurday					
	23		D	eaths	s of I	-	ns o	f			tges fo		D	eaths t	of P		ns of		
CAUSES OF DEATH.	Corrected Averaged 25th Weeks of the 1 1880-89.*	ALL AGES.	0-1.	Jude 20.	6-20.	20 and under 40.	to and under 60.	60 and under 80.	of Years and upwards.	CAUSES OF DEATH.	Corrected Averages 25th Weeks of the 1 1880-89.**	ALL AGES.	0-1.	Unde 20.	-717-	30 and under 40.	40 and under 60.	60 and under 80.	do Years and
ALL GAUSES	1415.9	1387	1	í	1 .	177	239	1	1	Diseases of Organs of Special Sense t	2.4	2	-	-	1	1	4	-	20
Small- pox Vaccinated Unvaccinated No Statement	318.3	-	-	-	-	-	-	-	-	Diseases of Circulatory	100.1	120	3	2	9	15	43	44	4
Measles Searlet Fever	62·8 25·4	99 15	20	75 9	4	1,1	-	-	-	Croup Bronchitts	9.7	4 108	29	4 19	 ī	2	15	35 7	7
Typhus Relapsing Fever † Influenza	0.8 0.0 0.1	- 2			~	-	-	-	-	Pneumonia Pleurisy Other Diseases of Respi- ratory System }	63°5 4'9 23°0	83 4 16	19	28 1 5	1	7	16	7 1 2	7 2 -
Whooping-cough Diphtheria Simple Continued and	50·4 16·9	66	22	41 11	6	-	1	-	-	Dentition † Quinsy, Sore Throat † -	11.5	12 4	4	8		ĩ		-	-
Ill-defined Fever Cholera	10.8	6 2	1 - 1	1	2	1	2	-	-	Peritonitis Diseases of Liver Other Diseases of Digestive System	9.9 6.5 28.0 27.9	9 10 27 28	3 4	2 -	- 1	6 5 3	11 8	1 8 11	1
Diarrhoa, Dysentery - Remittent Fever† - Hydrophobia -	0.1 0.1	24	15	4	-	2 -	-	3	-	Diseases of Lymphatic)	3.4	4	-		1	1	1	1	-
Glanders Cowpox and Effects of Vaccination † }	0.0	-	-	-		-		1 1 1	-	System & of Ductless Glands † - Diseases of Urinary	36.4	86		-	-	10	9	15	_
Venereal Affections - Erysipelas	10·1 3·9	7 5	6	-	-	1	1 2	1	1 1	System} Diseases of Generative	- -	-3-	-	-	1	-	-	-	-
Pyzmia and Septiczmia † Puerperal Fever - Other Zymotic Diseases †	2*8 6·2 2·4	3 5 4	2	-	1	5 -	-	1 -		System Accidents of Childbirth	6·7 4·8	9	-	-	1	7	1	-	-
Thrush Worms and other Para-	2.4	3	3	-	-	-	-	-	-	Diseases of Locomotive System † }	7.0	8	-		2	1	1	3	1 -
Starvation, Want of Breast-milk †}	1.2	1	1		-	_	_		-	Diseases of Integumen- tary System}	5.7	5	3	-		-	1	1	-
Alcoholism	6.1	10	-	-	-	4	5	1	-	VIOLENT DEATHS. § (Accident.)									
Rheumatic Fever, Rheumatism of Heart†	5°8	9	-	-	5	2 -	1	1 -	-	Fracture and Contusion Gunshot Wound Cut, Stab Burn and Scald	20°0 0°0 0°3 2°7	24 - 1 2	1 -	2 -	5	4	8	7 1	2 - 1
Gout	2·9 3·8 51·8	1 6 50	4	2	- 10	- 5	- 26	19		Poison	1.4 8.1 10.2 2.8	6 9 8	8	1111	1	3 1 1	2 -	- 1	1 1 1 4
Tabes Mesenterica – Tubercular Meningitis – Phthisis – –	27.9 32.3 159.1	21 29 131	8 5 3	8 15 2	7 15	- 2 61	1 - 40	- 8	- 2	(HOMICIDE.) Murder & Manslaughter	1.6	1	1	_	-	-	-		
Scrofula, Tuberculosis - Other Constitutional } Diseases † }	15·1 10·3	12 11	2	6	1	3 2	4	4	-	(SUICIDE.)							-	-	-
Premature Birth Atelectasis +	38°9	46	46	-		-	-	-	-	Gunshot Wound Cut, Stab Poison Drowning Hanging	1.0 2.3 2.6 1.1	2 1	- 1 1 1	1111		- 1	1 2 2	1111	1111
Congenital Malforma-} Old Age	5·3 43·0	9	9	-	1 4	-	-	25	23	Otherwise	1.0	3	-	-	-	1 -	-	-	
Apoplexy Epilepsy	40°3 8°9	41 2	1 -	-	1 -	4	18	13	4	(EXECUTION.) Hanging	0.0	-		-	-	-	-	-	
Convulsions - Co	43°2 85°5	36 63	82 12	10	9	6	7	23	1	OTHER CAUSES †	48*6	41	85	-	-	2	-	3	1
• The numbers in this a			-	-	-				1 1	1		1	-	-				THE REAL PROPERTY.	-

numbers in this column are the average weekly Deaths for the ten years 1889-89, raised by 9.046 per cent, for increase of population, the average for the eight years 1832-9 has been used. So cases of small-pox only are returned as, "vaccinated," or as "unvaccinated," which are so certified by registered madical man. When ical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not creditly by a registered uner, the case is returned under the heading "no statement." evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, against, or suicide. All such cases are classed under "accident or negligence."

A 62359.—12.

TABLE 5. LONDON. -FOPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLE during the Week ending

													duri	ng t	he V	Veek	end	lin
,							The	DE4	TUS:	rogist	erad	in the	W68	kine	lude			
	Cnume-			Deat	hs of					Deat	hs fr	m				1		1
REGISTRATION	rated	no.	o o	4	go.					gh.	!	ever.				١.	Public ns.	
SUB-DISTRICTS.	Popu- lution,	Вівтня	DEATER	under f Age.	aged a	ž.		Fever.	. 8	2-601		34 St.	Fever.			Cases		
	1881				ars &	0d-11	les.	et F	ther	oping	nus.	rio	sed i	rhœ	ance.		aths in Institution	43.00
:		Total	Total	Year	Persons Years	Small-pox.	Measles	Scarlet	Diphtheria	Whooping-cough	Typhus.	Enterio o Typnoid)	Simple c	Diarrhœa	Violence	Inquest	Deaths	Thoughthad
AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED I						-						_	-	-		-	-	-
LONDON	3,815,704	2516	1387	318	299		99	15	19	66	_	6	1	24	54	86	316	
West Districts	669,638 905,947	375 575	272 316	64 75	52 73	-	37	3	2 8	12 21	-	-	1	7	9	14	66 6±	
NORTH DISTRICTS	282,288	138	99	20	17	-	2		4	6	-	-	-	5	5	7	41	
EAST DISTRICTS - ° -	692,738	503 925	279 421	67 92	57 100	-	14 31	3 5	3	16 11	_	2		6	10	19	80 65	ı
METROPOLITAN ASYLUM HOS-)	1,265,148	•	-	-	-	-	-	-	-		-		-	-	-	-	-	
PITALS OUTSIDE REGISTRATION		-		-			-	-	-	-	. 7		-		_	-		1
WEST DISTRICTS. St. Mary Paddington WHH G.J. &W.M	69888	51	30 16	6 2	2	. 5	5	-	-	2	-	-	-		2	2	5	1
St. John Paddington H - W.M.	87330 120141	63	45	16	3	-	15	-	-	4	-	-	-	1	-	1	11	
Brompton H W.M. &C	43010 7599	13	10	-	1	-	_	-		1	-	-	-		Ŀ	-	1	
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C.	64340 42900	48 56	31 23	8	- 5 8	-	5	3		2	-	-		ī	1	1	3 9	
Chelsea South HHH - C. Chelsea North-west WHHHHH C.	30396 24925	19 15	15 17	5 3	8	-	ī	-	1	-	7	-	-			2 2	5 9	
Chelsea North-east	32807 80353	21	8	2	4	-	3 2	-	-	-		-	•	-	-	-	4	
May Fair WW - G.J. Belgrave WHHH - C. St. John Westminster HHH - C.	59220 35495	29 23	22 14	1	3	-	3	-	-	2 -	-	- :	-		1 ~	1	10	
St. Margaret Westminster H - C.	24679 29941	10	7 7 3	1	5	-	_	-	-	1	Ĭ	-	_		2	2	2	
St. James Westminster WHH N.R. &G.J St. Anne Scho HHHHHHHH - N R.	16608	9	3	2	-	-	-	-	-	-	-					-	-	-
NORTH DISTRICTS. All Souls Marylebone HHHHH W.M.	26759	10	15	3	- 4	-	-	-	1	2	•	-	-	-	1	1	6	-
Cavendish Square HHHH W.M. Rectory Marylebone WH G.J. & W.M.	14891 24809	9 31	8	- 2	2	-	1	-	-		-		-	-	-	-	-	
All Souls Maryleoone HIHIBH W.M. Cavendish Square HHHHH — W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HH G.J. & W.M. Christchurch Marylebone H — W.M. St. John Marylebone H — W.M.	21118 83700 33633	17 14	11 6	4	4	-	1	-	1	1 -	-	-		-	-	-	-	
Hampstead Www.HHHH N.R. & W.M	45452	83	16	1	7	-	-	-	1	-	1-	-	-	-		,-	8	
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M.	89115 27729	12 11 13	20 6	1 4	5	•	i	1-	-	- 1	-	1 1	-	1	ī	1 -	12	
Gray's Inn Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R.	30247 84369 17811	18 8	7 9	1 2	8	-	1		=	1	-		-		1	1 2	3 1 3	
Kentish Town W R.R.	87487 67946	61 62	25 87	9	2 13	-	1	-	-	3	-	-	-	1	Ĩ	ĩ	6	
Upper Holloway WWwH - N.R. Islington South-west HH - N.R. Islington South-east - N.R.	100976 61825	64 39	30	11 6	8	11.3	5	-	ī	2 2			1	1 2	1	3 2	-	
Highbury H N.R. Stoke Newington H N.R.	52048 22781	28	11 13	4	4	-	-	-	-	2 2	-	-	-	1	-	-	1	
Stamford Hill E.L. West Hackney H N.R.	9277 87610	7 23	7	2 4	2	-	1 2	-	1	ı			-	-	-	-	-	
Hackney WwwwH - E.L.&N.R. South Hackney E.L.	76911 39883	53 22	40 14	5	12 2	-	1 -	2 2	2	1	-		-	ī	3	5	16	
CENTRAL DISTRICTS. St. George Bloomsbury - N.R.	10001	8	1	-			1											
St. Giles South WH N.R. St. Giles North N.R.	16681 14864 13887	12 2	6	1 -	1 -	-	-	-		-	-	-	-	1	-	1	2	
St. Martin-in-the-Fields HH N R. & C. St. Mary-lo-Strand H N.R. St. Clement Danes H N.R.	17509 7515	3	8	1	2	-	-	-	-	-	-	-			1	2	2 .	
St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	8559	8 -	7 3	î -	ī	-	-	-	=	1	-	-	-	1		-	4 3	
St. Geo-the-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R.	18671 10706	9	15	4 2	2	-	-	-	1	1	-	-		1	-	_	8	
St. Andrew Eastern W - N.R. Saffron Hill H N.R. St. James Clerkenwell N.R. Amwell Clerkenwell - N.R.	6538 17516	2 13	2 5	1	1 2	-	=	-	=	1	-	-	-		-	-	2	
Pentonville N.K.	19281 14778	13 8 11	3 4 1	3	-	-	ī	-	-	1	-	-		l -	-		-	
Goswell-street N.R. Old-street H N.R. City-road HHL N.R.	17506 11541 18628	11 4 29	4	1 2	1 2	-	-	-	-	1	-	-	-	ŀ	-	i	ĩ	
Whiteeross-street N.R. Finsbury N.R.	9217 7468	3	7 2 1	1 -	1		-	5	1	-		-	-	-	-		2 -	
Holborn Union Workhouse, Milcham, w. St. Botolph H N.B.&E.L.	11174	4	1	1	1 -	-	-	-	-	-	~	-		1	-	-	2	
Cripplegate N.R. St. Sepulchre H N.R.	7198 5358	2 -	16	-	2		-	-	2	-	=	-	-	I	- 3	- 2	15	
St. Bride W N.K. Allhallows Barking N.R.	8896 18666 5652	2 3	2 2	-	1 -	-	-	-	=	-	=	=			1	1	15	
Broad Street H N.R.	1 0002	3	-	_	-	-	-	-	-	-	-	-	-		-	-	-	

Note—The Italie letters placed against the names of the sub-districts denote Public Institutions situated inordia, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishmen receiving inmates from other Districts than that in which it stands, (see note at the topt of noxt oace). The Koman capitals signify the Wate Companies which supply the different sub-districts:—G. J. against G-and Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwar and Vannhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

R, D. PETHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENOE, &c., registered in each Sub-district day, 21st June, 1890.

day, 21st June, 1890.																		-
-			And the second s	-			T	ae De	SATES	rogis	tered	in the	Was	sk in	clude			
	Enume-			-	ths of	1-	,				hs fro					-	1.	
REGISTRATION 8UB-DISTRICTS,	Popu- lation, 1881.	Total Birras.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measice.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fever.	Simple con-	Diarraces.	Violence.	Inquest Cases.	Deaths in Public	Uncertified Causes of Peatin.
EAST DISTRICTS. lich South† HL* - N.R. n New Town w N.R. n Old Town N.R. rston WH - N.R. & E.L.	22343 29937 28036 46275	7 23 21 24	7 18 10 28	2 5 1 9	1 6 3 8	1111	111-	1111		1 3 3 2	1,1,1,1	1111	11,11		1	1 - 2	3 8	
al Green North H - $E.L$. al Green South - $E.L$. al Green East WHL^* - $E.L$.	51157 34399 41405	43 10 31	20 4 27	4 -4	5 1 5	i	1	-		1 -			-	111	- 1	1	17	-
elds E.L. & N.R. and New Town W E.L. & N.R. and Fields E.L. & N.R. & E.L. & N.R. & E.L.	22585 15478 17490 9713 6102	11 16 16 4 4	4 11 23 2 7	2 - 4 - 5	4 4 1 -	11111	1 - 1	1111	11111	11111	11111	11111		1	1 3 -	1 - 1	5. 17	11111
orge's North - E.L. on, St. George East W - E.L.	38747 8410	32 5 6	8 9	4 2	1 8	-	-	=	=	-	-	1 -	-	ĩ	-	1	ē	1 -
el: H E.L.& N.R. 7 E.L. ouss E.L.	10395 16107 32041	7 23 37	3	2 -	1 -	-	-	1	-	3	-	-	-	-		141	3	-
nd Old Town West $H - E.L.$ nd Old Town East $WwwH - E.L.$	87960 67653 87074	56	11 18 14 82	8	3 1		4	- -,i	1	1		- - -	-	1	1	1	6	-
ey wow H E.L. WWH E.L.	64359 55077	48 32	16	6	10	-	1 -	2	- 4	1	-		-	-	1	1	15	-
SOUTH DISTRICTS.	13663 14999 21381 15953 21318 26672 59555 21623	7 5 9 10 8 15 56	1 3 5 5 9 9 22 7	1 2 2 9 3	1 1 1 1 2 3 1	1111111	2 1 1	11111111		1111111	11111111	111111	11111111	1111111	1	3 1 1 -	1 - 2	11111111
ve WH S. & L. r Market S. & L. r Market S. & L. r Magdalen W - S. as Bermondsey - S. & K. oo-road ist H L. & S.	11956 16390 15669 54682 86024	7 12 34 35 32	12 - 5 13 16	1 1 3	2 2 1 2	11,111	1 2			2 2	11111	11111		111	1 1	5 2 2 1	1 1	11111
00-road lat H - L, & S, on-road lat H - L, & S, th Church lat H - L, & S, th Church lat H W - L, & S, ston lat - S, & L, lat on lat - S, & L, lat on lat - L, & S, and W - L & S, and W - L.	15195 16351 19876 39859 45232 35332 62837 19017	11 17 8 40 29 22 35 9	9 7 11 28 12 10 14 6	2 8 5 1 5 - 1 2	3 - 7 3 3 7 2	1111111	1 3 1	1	1		11.11.11.11	111111111	11111111	1 1	- 1011 1	1 2 1 -	1 1 5 10 - 1 - 1 - 1	1 1 3
Attersea	54675 52587 36380 28004 18235 25553	49 58 23 24 3 21	18 24 11 14 1	7 9 3 - 2	1 8 6 6 1 5	111111	7 - 2 1 - 2	111111	1	1	111111	1		1		2	8	11111
well WoL*L* - S. & L. m W - S., L., & K. rge Camberwell - L. & S.	5590 59104 71089 50810	4 47 81 86	1 24 23 12	- 4 5 1	1 7 6 1		1 3 1	-	-	1 2	1111	1	-7	-	1	1	11 8	11
l Deptford www K. aolas Deptford K. ioh West H K. ieh East WHH K.	76752 7901 21972 24608	52 7 16 23	29 3 5 16	7 1 1 3	5 1 5		1	2 -		1				- î	2 - 3	2 - 3	2 - 4	1111
H K. am WH K. am H L.	5048 21559 19865 26076	11 4 14 19	1 3 9	- 3	- 2 1				1111	1111		-	1		1111		1 -	1 1 1
## K, oh Dockyard K, ch Arsenal ## - K, sad, West # K, bad, East # K,	10930 17617 19043 14009 19241	6 13 11 14 26	2 3 4 1 9	1 1 1 1 1	1 - 5	11111	11111	11111	11111	11111	11111		-	11111	11711	1 -	- 3	11111
litan Asylum Hospitals: tford w	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-

llowing Woskhouse Establishments 378 indicated in the above Table by w (see note at foot of preceding page) :-

liewing Workhouse Establishments by indicated in the above Table by w (see note at foot of preceding page); whether the property of the proper

Panis 6 -LONDON -OUTER RING - AREA; POPULATION; BIRTHS and DEATHS registered during Week ending Saturday, 21st June, 1890.

Registration Carea, Care
Desths of Desths from Desths from REGINTRATION RUB-DINTRICTS. Sale Desths from Desths from Sub-District Sum-bers. Desths from Desths
REGISTRATION Substitute S
Numbers. And Fore-shore. Section Sectio
Numbers. And Fore-shore. Section Sectio
LONDON - OUTER RING 370,924 950,857 817 378 83 86 - 34 8 5 10 4 6 12 22 44
LONDON - OUTER RING 370,924 950,857 817 378 83 86 - 34 8 5 10 4 6 12 22 44
30:1 Carshalton wL
2 Epsom (part a/)* Wwh! 9971 10710 10 3 1
2 Epsom (part a/)* Wwh! 9971 10710 10 3 1
37:1 Godstone (part of)
2 Mitcham w † - 11697 17882 10 4 - 1 2 2 2 3 3 1 1
39:1 Wimbledon HHH
2 Kingston WHH 8549 36354 24 8 8 3 4 1
3 Eaher (part of) * - 6601 9221 8 1 1
40:1 Richmond WH - 2272 21302 17 7 2 2 3 1 1 1 2 Mortlake 2941 12331 7 3 1 1 1 2 Mortlake 2941 12331 7 3
2 Mortlake 2941 12331 7 3
\$\frac{41:1}{2}\$ Bromley (ps, of) * HH 15689 81142 20 3 1 1 - 1 - - - - - -
2 Chishrst(pt.of)* WHH 14307 15844 7 5 8 1 - 1 2 42:1 Rexley H 13437 24134 21 11 3 1
2 Dartford (Ww, pts. of)*! — — — 1 — 1 — 1 — — — — — 1 124: 1 Sunbury w — 11055 11685 6 3 1 1 — — — — — — — — — — — — — — — — —
124:1 Sunbury w
2 Staines W 13277 12089 5 2 1 1
125: 1 Hillingdon WHH 6029 10802 6 5 - 1 - 2 - - - - 2 2 2 2
8 Hayes wHL - 14887 11523 5 6 - 1 - 1 -
126: 1 Isleworth WHH - 7008 22727 13 5 2 1 1 1 2 Twickenham M - 2477 12479 12 8 2 1 1 1 3 Brentford HL 4345 27849 21 4 - 1 1 1 4 Chiswick 1340 15975 10 3 1 4 1 1 5 Acton wH 6088 22876 17 10 2 2 2 1 2 127:1 Harrow H 13809 12796 6 4 1 2 1 2 2 Edgware H - 6094 3749 8 1 3 Willesden 4383 27483 40 11 4 2 - 2 2 - 2 2 5 137:1 Bushey 9331 6621 6 1 - 1 2 2 5 137:1 Bushey 9331 6621 6 1 - 1
2 Twickenham H - 2477 12479 12 8 2 1 1 2 8 8 Brentford HL - 4345 27849 21 4 - 1 1 1 - 4 Chiswick 1340 15975 10 5 1 4 1 1 1 5 Acton wH 6088 22876 17 10 2 2 2 1 2 - 2 1 2 2 1 2 1
4 Chiswick 1340 15975 10 3 1 4 1 1 1 - 5 Acton wH 6088 22876 17 10 2 2 2 2 1 2 - 127:1 Harrow H 13809 12796 6 4 1
5 Acton wH 6088 22876 17 10 2 2 2 1 2 - 127:1 Harrow H 12809 12796 6 4 1
127:1 Harrow H -
2 Edgware H 6994 3749 3
4 Hendon W 8882 10484 6 12 1 4 - 2 2 2 5 137 t 1 Rushey 9331 6621 6 1 - 1
137 t 1 Bushey 9331 6621 6 1 - 1
128:1 South Min.ms 15599 6391 7 4 - 3 1 1 -
- Barnet 0100 10002 11 6 - 1 - 1 - - - - 1 1
3 Finchley HL 4638 17615 19 12 - 8 1 - 1 - 1 - 4
135:1 Hatfield (part of) * - 3306 583
129:1 Hornsey H 3039 37078 29 9 3 2
2 Tottenham H 4642 46456 58 39 4 4 - 11 - 2 - 2 1 - 3 2 3 Edmonton Ww - 7458 23463 19 18 4 6 - 3 1 - 1 4
4 Enfield WH 12653 19104 16 11 2 2 1 1
5 Waltham Abbey 11017 5368 3 2 1 1
186:1 Stratford - SA2 SEAR CO 10
2 West Ham wwH - 4055 90347 105 27 10 6 1 - 2 1 -
3 East Ham ww 3296 10706 26 7 3 1 1 - 4 Leyton WwL 4372 32430 34 25 5 7 3 7
8 Waithamstow H - 6520 28869 40 14 5 8 - 1 - 1 - 1 1
187:1 Chigwell (part of) * H 11761 9689 7 3 1 1
2 Epping (W, pt. of)*
189:1 Romford (part of) * W 6730 3411 2 - - - - - - - - -
8 Barking Town 4127 9208 10 2 1

^{*} The parts of sub-district, except the parishes of Ashstead and Headley (pop. 1255); 37:1, the parishes of Warlingham and Farley in Godstones district; 39:3. Esher sub-district, except the parish of Esher (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstones district; 39:3. Esher sub-district, except the parish of Esher (pop. 1263); 41:1, Bromley sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hall sub-district; 187:1, Gliswell sub-district, except the parish of Theydon Bois (pop. 947); 135:1, the parish of Northaw in Hall sub-district; 187:1, Gliswell sub-district, except the parish of Theydon Bois (pop. 947); 135:1, the parish of Northaw in Hall sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5),

\$ Exclusive of deaths of London Workhouse and in Metropolital Winghmann Hill (see Table 5).

\$ Exclusive of deaths of London Residents in Strand Union Workhouse and in Metropolital Winghmann Hill (see Table 5).

Asylum Hospital, Winehmore Hill (see Table 5).

On 1st January the two parishes of East Ham and Little liferd were separated from the registration sub-district of West Ham, and we constituted the registration sub-district of East Ham.

BLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS). - DEATHS and Rate of MORTALITY during the Week ending Saturday, 21st June, 1890.

	Area			L RATE			The D	HTAS	s regi	stere	d in i	the V	7eek	inelu	le	
REATER	Acres, including	Estimated Population.	per 100	RTALITY 00 living.	DEATHS from	Deal	ths of				Death	as fro	m			Public ions.
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	S nall-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhose.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		12.	13.	1.	15	16
TER LONDON	448,334	5,758,500	16.0	2.6	1765	401	385	_	133	18	24	76	11	30	66	363
TER LONDON -	77,410 370,924	4,421,661 1,336,839	16°4 14°7	2.4	1397 378	318 83	299 86	1 1	99 34	15 3	19 5	66 10	7	24	54 12	316 47

E.—The area of Greater London is 448,384 acres; of which 4,892 acres are tidal water and foreshore. This area is equal *522 square miles, which is equivalent to the area of a circle having a radius of 14*933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,308 Persons.

	POPULATION				ANNUAL	DE	ATHS	FROM	PRIN	CIPAL ES.	ZYMO	
ITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosal Diseases.
UTTA	433,219 {	April 26	-	270	32.5	36	-	-		_	92	35†
AY	773.196	May 3		230	27.7	20	2		- E	4	77	34+
2A8	398,777	,, 9	-	-	-	_	_	_			_	_
3	2,260,945	June 11	1139	913	21.0	_	61	3	3u*	10	15	67
Faubourgs.)	477,288	». 14	242	160	17.9	1	-	-	-	4	1	15
BRDAM -	406,302	, 14	288	134	17:2	_	1	1			1	_
ERDAM -	203,486	" 14	111	70	17.9	-	_					1
HAGUE -	156,497	" 14	103	45	14.9	-	3	-	-	_	-	-
NHAGEN -	312,387	14	202	127	21.2	-	8	2	7	2	_	5
KHOLM -	236 350	. 7	141	99	21.8	_		7	4*		1	16
STIANIA -	143,300	, 14	48	69	25.0	-	-		6	1.2		5
TERSBURG	924,466	,, 7	-	453	25°6	. 2	39	24	8	-	9	33
IN	1,526,887	May 31	879	662	22.3	-	23	9	27	12	4	104
BURG(State)	575,276	June 7	383	199	18.0	-	4	1	7*	. 1	-	10
DEN	269,250	,, 7	152	131	25.3	-	5	4	3*	***	-	9
LAU	324,400	99 14	239	159	26*0		en ,	2	12*	2	-	15
ICH	298,000	,, 14	235	173	80.2	-	2	3	11*	. 5	_	27
NA	822,176	,, 14	470	386.	24 4	1	17	2	7	4	1	42
UB	314,425	,, 14	-	197	32.7	1	12	7	6	5	_	3
-PESTH -	463,017	10 7	376	312	35.0	-	2	1	12	-	4	49
STE	160,092	,, 14	99	56	13.2	-	~	-	2*	-	-	4
6 (70 7 -)	418,217	May 17	202	156	19.8		3	1	6	-	7‡	2
* { (10 days) (10 ,	314.827 {	33 10 20	219 226	193 186	22°3 21°5	1	4		1	1 2	4	14
OR . "	156.515	** 20 31	69	64	21.3	2 3	7	_1	1	1	3	19 5
0	374,838	June 5	340	290	40°2	1	1	_	2*	i	18	101
CANDRIA '-	231,396	,, 5	166	177	39*8	2	-	-	-	-	12	37
YORK -	1,595,547	May 31	-	656	21.2	-	24	6	32	5	1	17
KLYN .	859,612	" 31	-	312	18.9	-	- 5	1	14	3	-	6
ADELPHIA -	1,064,277	" 31	1 -	304	14.9		-	4	10	4	6	7
IMORE -	500,343	June 7	-	294	30.6	-	. 8	1	1	1	2	88
ORLEANS -	254,000	May 10	-	129	26.5	-		-	2	-		17
		Including doct			-			1		-	1	

Including deaths from croup.
 Including 18 and 15 deaths respectively from cholera in Calcutta.
 Including 5 from malarial fever.

Table 9.—METEURULOGICAL OBSERVATIONS taken at the Rotal Observatory, Greenwich, during the Week ending Saturday, 21st June, 1890. [Under the Superintendence of the Astronomer Royal.]

								Unaer	er the supe	mberr	"Constant	מה מו מו	10077 04	TO MICHAEL	[sanfana				-					1
		BARO-		TE	TEMPERATU	TURE.		Title	ton oo ho	moom		TE	TEMPERATURE	TURE.	-		Wind as deduced from Anemometers.	duced fre	om Aner	mometer	8.		Roin	
		METER.					10¢ +1		the Air Temperature	-	Degree			O ALL O TIT	1 104		Osler's.						ina	
1890.	Phases	daily reading		Of t	Of the Air.		Dew Point.		Temperature,		of Hu- midity	Of Radiation.		of the Thames at Deptford.		General Direction.	ction.	Press	Pressure on the Square Foot.	the t.	Robinson's.		Gauge whose eceiving	Ozone.
Monte and Day.	Moon.	rected and reduced to 320 es Fahren-	High. Low-		Daily Mean daily Range, value,	ar parture from A verage of silv years.	n daily age value.	Mean daily value.	Great.	Least.		High- est in Sun's Rays.	Lowest H on the Grass.	High. L. e	Low-	А.Ж.	P.M.	Great.	Least.	Mean of 24 hourly obs.	Horizontal Movement of the Air on each Day.	Departure from Average of 16 Years.	surface is 5 inches above the Ground.	
JUNE.	-		0 0 0	-	0 0		0.02	0 7.1	0 14.8	0.0	77	0 118.1	0 40.3	9.19	0 60'8 ENE.&	z	Calm & SSW.	lbs. 0.0	1bs. 0.0	lbs.	Miles.	Miles.	in. 0.00	64
						+		8.1	20.5	0.0	75	143.0	45.4 6	9.19	60.6 SW. &	SW. & WSW. SW	SW. & SSW.	1.5	0.0	0.0	246	+	0.00	8.0
	7 New.					1		3 4.1	15.8	0.0	86	0.911	45.0 6	62.1 61	61.5 SW.&	SW. & WSW. W	WSW. & W.	2.0	0.0	2.0	813	+ 71	. 21.0	0.0
		000.62	72.8 47.1		6.62 22.3		0.0 53.3	9.9	16.7	0.0	79	139.6	38.3	19 2.19	61.1 WS	WSW. SW	SW.& WSW.	1.84	0.0	1.0	299	+ 59	10.0	0.0
	<u> </u>	69.66	69.4 53.3			0 - 9.69	0.6 49.6	0.01	8.61	2.0	20	125.2	43.0 6	62.3	61.6 W.&l	W. & NNW. N	NNW.W.	2.2	0.0	1.0	₹67	+ 56	00.0	0.0
						59.2 - 1	1.3 51.6	9.4	17.3	1.2	94	183.3	9 6.88	62.4 61	er.7 Ws	wsw.	WSW.	1.1	0.0	1.0	819	+ 82	00.0	0.0
•	1 Apogee,					1 - 1	1.0 49.1	10.1	20.2	0.0	68	123.3	38.3	62.6 61	61.9 Calm	Calm & NE.	Variable.	2.0	0.0	0.0	108	-129	0.50	0.0
MEANS .	:	29.959 70	70.9 49.8	8 21	67	26.3	2.12	1.4	6.41	0.2	76	128.5	41.3 6	19 0.29	1.3	WSW	V.	:	:	:	Sum 1695	Sum +	Sum 0.38	4.4
No. of Col.	63	4	2	9	1	6.	10	11	12	13	14	15	16	17 1	18 1	19	20	21	22	23	2.4	25	26	27
DATE.	ELE (For e.	ELECTRICITY. (For explanation of symbols, see Note.)		Registered S Sunshine, in hours.	Registered Sun above Sunshine, Horizon, in hours. in hours.	ove n, n,	9	ENER	GENERAL REMARKS.	MARI	KS.		Corre	The height of rection has be Observations	t of the cas been ap	the cistern of sen applied to the	The beight of the cistern of the barometer is 159 feet above the mean level of the sea; correction has been applied to the readings to reduce to sea level. Observations are usually taken as \$10, A.M.: noon; \$10, P.M.; and \$10, P.M The means of the season of the sea	neter is s to red	uce to n: 3h.	et abov sea lev P.M.:	e the mea el.	n level o	vel of the sea; The means of	a; no
SUNDAY . 15		w. P. throughout !		62	16.5	1	Cloudy generally; fine at times. morning and afternoon.	rally; fi	ne at tin		Dense haze during	e during		eadings erted in photo ig the t	of the bandon of	rometer, t daily valu cords mad rs ending	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean adaily values by the application of coverctions deduced from a discussion of the photographic records made during the twenty years ending 1873 for blie barometer, and during the twenty years ending 1873 for blie barometer, and during the twenty years ending 1880 for the thermometers. With the corrected mean reading during the twenty years enting 1880 for the thermometers. With the corrected mean reading	b therr application the twe the there he there	tion of inty ye momet	corrections and corrections are corrected and corrections and corrections and corrections and corrections and corrections and corrections are corrected and corrections and corrections are corrected and corrected and corrections and corrections are corrected and corrected and corrections are corrected and correc	d the wet bulb thermometer, are ections deduced from a discussion ading 1873 for the barometer, and With the corrected mean reading	oulb ther aced from or the ba presetted;	mometer a discu rometer nean res	ssion saion ding
Monday . 16		w. P. generally	•	e5 50	16.5		Fine; partially cloudy.	ully elou		ar halo	Solar halo in afternoon.	noon.	and (colu	and minimum 1 (column 8). Th	and minimum thermometers, forming (column s). The mean daily dew point from the mean daily values of the drawn	cometers,	and unimum thermometer, forming the mean daily value of temperature of the annual minimum thermometers, forming the mean daily value of this six of the minimum thermometers, forming the mean daily developed the mean degree of humidity are defined from the mean dealty values of the dry and wet built thermometers by Glaisher's Exercise the mean degree of the dry and wet built thermometers by Glaisher's Exercise.	temper	an da ature	the mean daily value of temperature and degree and wet bulb thermomen	the mean daily value of temperature of the air temperature and degree of humidity are deduced and wet built thermometers by Glassher's Forma-	temperature of the of humidity are dedu- ars by Glaisher's Hye	are ded	e air
TUESDAY . 17		s. P. and s. N. in early morning; v. P. genc-rally afterwards.		0.4	16.6	ii	Overcast generally; oceasional rain. in atternoon.	nerally;	occasion	al rain.		Fine at times		metrical Tables. The average t	critical Lables. The average temperature of the air cords made at Greenwich during the	ature of t	metrical Tables. The average temperature of the air is that derived from a discussion of the photographic records made at Greenwisch during the 20 years equing 1898, and that of horizontal movement of the control of	is that derived 20 years ending	rived	from a 1868, an	from a discussion of the photographic laws, and that of horizontal movement for the the the the the the the the the the	n of the	photogral move	aphic
WEDNESDAY 18		w. P. generally		4.9	16.6	P.	Fine; partially	ally cloudy.	.∀	shower	of rain	at 10kh.		readin	the arr from a discussion of the reading the columns 9 a. "lower," than the average.	Thins 9 and verage.	of the sur Hours unschanged to the antennolless of control in the district of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the surface of the Thursday of the surface of the Thursday of the surface of the Thursday of the surface of the Thursday of the surface of the Thursday of the surface o	l be bo	rue in	mind 1	that + in	licates "	ates "higher," and	and and
THURSDAY. 19		w. P. in morning; v. P. afterwards.		3.0	9.91		Fine in early rafterwards with	ly morn	morning: cloudy till afternoon; fine light clouds till night, then cloudless.	udy till	afterno	on; fine		urface, readir	the surface, at the end of one their readings are registered Cornoration of London.	d of one ogistered	The incurrences of the factor of the jetties of the Foreign Cattle Marker at Deptford, and the surface, at the end of one of the jetties of the Marker, under instructions from the Cornersion of London.	ies of erk of	the Fo	farket,	Sattle Ma under in	rket at D	eptford, us from	and
FRIDAY . 20	20 W. P.			20.20	16.6		Fine; partially	ally cloudy.	ıdy.				Symi	The records and warighle.	rd of Electricity	ctricity is e:P. po	The record of Electricity is derived from Thomson's self-registering Electrometer. Symbols employed are :P. positive; N. negative; w. weak; m. moderate; s. strong v. variable.	rom T	homson ive; w	n's self	registeriz	sgistering Electrometer. in. moderate; s. strong	ometer.	The ; and
SATURDAY. 2	21 W. P.	w. P. in morning; v. N. and s. P. after-		2.5	9.91		Fine till no	noon; ove	overcast afterwards.	rwards		Rain at night.		RKFEKA	bers in colute duration ts of all t	umn 29, d n of brigh he meteo	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the superfected duration to bright sunshine on each day. The results of all the mereorogical observations are to be understood as applying to the	n the	Samph ch day.	re to b	ses Sursh e underst	ine Inst.	wment,	show
	wards.			Sum	Sum	-	1	4.			1.1.		CIVIL	day, or	givil day, or from midnight to midnight. The reading of the barometer decreased	arometer	100	rom 30	.21 in.	from 30.21 in. at the beg		nning of the week to 29.79 in.	ek to 29	79 in.

OFFICIAL COPY.

WEEKLY RETURN

AND DEATHS IN LON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 26. 1890. Vol. LI.] WEEK

WEEK ENDING SATURDAY, JUNE 28.

[Price 11d.

General Register Office, Somerset House, 30th June, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 16.9 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks ending	Saria!	and of lower and	. jt.	Weeks	ending	
Towns.	The state of the last of the l	June 28.	Towns.	June 7.	June 14.	June 21.	June 28.
Birkenhead	19.4 17.9 14.9 1		Liverpool		النكائنا	21.9	
Birmingham	16.6 17.2 18.6 1	9.1	London	ساكسا		16.4	
Blackburn -	18.1 17.7 18.1 2	22.8				29.0	
Bolton -	29.3 20.7 23.9 1	8.9	Newcastle-on-Tyne	27.2	21.1	25.6	23.7
Bradford -	18.0 17.1 18.4 1	10.6	Norwich	17.5	14.2	20.2	19.1
Brighton -	17.7 10.5 11.8 1	14.8	Nottingham -			12.6	
Bristol -	11.0 11.5 13.7 1	3.2	Oldham			19.2	
Cardiff -	18.3 12.9 14.3 1	10.7	Plymouth	13.9	23.8	22.5	14.6
Derby -	20.2 14.0 15.5 1	4.5	Portsmouth -			18.6	
Halifax -	21.0 20.3 19.1 1	15.9	Preston			16.9	
Huddersfield	17.1 14.9 18.8 1	19.9	Salford			19.4	
Hull	14.6 15.1 15.9 1	4.6	Sheffield	23.7	21.0	24.4	19.6
Leeds -	20.8 17.9 14.9 1	9.2	Sunderland -	17.2	19.5	20.2	17.2
Leicester -	11.5 13.2 14.9 1	14:5	Wolverhampton -	13.1	22.5	16.3	17.5

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.0 in Derby, 1.2 in London and in Birmingham, 1.3 in Wolverhampton and 1.5 in Liverpool; from searlet fever, 1.1 in Manchester and 1.4 in Sheffield; from whooping-cough, 1.3 in Brighton; from "fever," 1.0 in Birkenhead; and from diarrhea, 1.7 in Leicester and 2.1 in Blackburn. The 42 deaths from diphtheria included 24 in London, 6 in Manchester, 2 in Salford, 2 in Sheffield, and 2 in Sunderland. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2359 births and 1346 deaths were registered. Allowing for increase of population, the births were 382, and the deaths 116, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had been 16·2 and 16·4 in the two preceding weeks, declined last week to 15·9, this being the lowest rate recorded in any week of this year. During the thirteen weeks ending on Saturday last the death-rate per 1000 averaged 17·3, which was 1·3 below the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 62359.—13. 635.—7/90. Wt.

The 1346 deaths included 101 from measles, 7 from scarlet fever, 24 from diphtheria, 52 from whooping-cough, 2 from typhus, 9 from enteric fever, 51 from diarrhœa and dysentery, 2 from choleraic diarrhœa, and not one from small-pox or from ill-defined forms of continued fever; thus, 248 deaths were referred to

these diseases, exceeding by 7 the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 14; only one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The deaths from measles, which had been 100 and 99 in the two preceding weeks, numbered 101 last week, and exceeded the corrected average by 42. The fatal cases of scarlet fever, which had been 11 and 15 in the two previous weeks, declined last week to 7, this number being lower than that recorded in any week since July 1889, and 17 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1247 scarlet fever patients at the end of last week, the numbers on the three preceding Saturdays having increased from 1133 to 1196; 136 cases were admitted during the week, against 104 and 143 in the two preceding weeks. The deaths from diphtheria, which had been 24 and 19 in the two previous weeks, increased again last week to 24, and exceeded the corrected average by 7. The 52 deaths from whooping-cough, though but 2 below the corrected average, were fewer than in any previous week of this year. The deaths from diarrhæa, which had risen from 8 to 24 in the three previous weeks, further increased last week to 51, though still 7 below the corrected average; 47 were of children under five years of age. The death of an infant, aged 6 months, was attributed to "choleraic diarrheea, 43 hours," and that of a female, aged 49 years, to "persistent vomiting and choleraic diarrhœa."

The deaths' referred to enteric fever, which had been 11 and 6 in the two preceding weeks, increased last week to 9, being, however, 2 below the corrected average. Two deaths from typhus occurred in the South-Eastern Hospital at Deptford, and were of persons who had been admitted respectively from No. 6 and No. 40, Gedling Street, Bermondsey. The Metropolitan Asylum Hospitals contained 51 cases of enteric fever, and 4 of typhus, on Saturday last; 6 cases of enteric fever were admitted during the week, against 4 and 14 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had numbered 240 and 215 in the two previous weeks, further declined last week to 206, being 6

below the corrected average.

Different forms of violence caused 49 deaths, concerning all but 2 of which inquests were held. Of these 49 deaths, 6 were cases of suicide, and 5 of murder or manslaughter, while the remaining 38 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 1 (of a lead-worker) by lead-poisoning, 5 by drowning, and 8 (of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3114 births and 1695 deaths were registered, corresponding to annual rates of 28.2 and 15.3 per 1000 of the estimated population. In the Outer Ring 16 deaths from whooping-cough and 15 from measles were recorded. The deaths from whooping-cough included 5 in Leyton and 4 in Tottenham sub-districts. Five deaths from measles were returned in Willesden, and 3 in Tottenham sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.83 ins.; the highest reading was 30.01 ins. on Tuesday morning, and the lowest was 29.61 ins. at the end of the week. The mean temperature of the air was 60°.6, and 1°.1 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Monday, Tuesday, and Wednesday, but was below the average on the other days of the week. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 9.7 miles per hour, which was 0.4 of a mile below the average in the corresponding weeks of 16 years. Rain fell on five days of the week to the aggregate amount of 0.78 inches. The duration of registered bright sunshine in the week was 36.2 hours, against 34.3 hours at Glynde Place, Lewes.

8
3
4
rã
his
#
9-4
0
9
page
D
2
끘
42
E C
0
3
Ö
×
See
ŭ

-	_				_		_	_	_				_	_	_					-										
	CITIES	AND BOROUGHS,	Cols.	- 28 TOWNS.	LONDON.	BRIGHTOM.	NORWICH.	PLYMOUTH.	WOLVERHAMPTON,	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	BIRKENHRAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	BLACKBURN.	PRESTON.	HUDDERSFIELD. HALIFAX.	BRADFORD.	LEEDS.	SHEFFIRID.	HULL.	NEWCASHIE	CARDIFF.		EDINBURGE.	GLASGOW.	Dublik.
	ALE.	In Centi- metres.	24.	1.24	1.98	0.63		1.88	94.0	1	1	0.58	1 1	2.13	1	1			1	1 1	19.0	1	1	1.35	T. 14	1 1	ı	1.04	3.00	1.12
	KAINFALL	In Inches.	23.	0.49	84.0	0.52		44.0		1		0.11	1 1	₹8.0	•		1 1		1		0.54	8			0.45	1 1				0.46
AIB.	an.	.ebargitaet	22.	14.22	68.91	13.80	4	15.56	11.71	1	1	4.44	1 1	13.28	1	1			1		13.67	-			13.20	1 1	-	****		13.61
OF THE	Mean	stiednerda?	21.	9.29	9.09	67.0	1	60.0		,	_	58.0	1 1	55.9 1	ı	1	1 1		1	1 1	26.6	1	1		26.3 I	1 1	-			26.2
ATTOR	*1	TOWER	20.	43.0	1.89	0.6	1	50.0		1		4.5	1 1	1.65		1			1	1 1	48.1	-,	-		9.0.65	1 1	- 1		-	44.1 5
THEFRATURE OF THE AIR.	.31	Higher Pahrenheit Lower	19.	80.3 4	80.5	¥ 0.49	1	72.0 5		-		4 8 17		6.99	ı		1 1		1	1 1	66.4	1	-		9	1 1	-	-		66.2 4
-decider	eaths	Diacasca in Cols. 6-12.	18.	2.4	8 6.8	2.1		7 7.0	1.6.1	2.2	0.70		2.2			3.7	7	T.	0.1	9.0	2.0	6.1			0.1	0.0		-	-	2.2 66
Annual Bate per 1006,	corresponding to the Week's Deathi	From All Causes.	17. 1	6.9I		14.8		13.5	17.5		14.5			18.6		27.1 3		22.8		15.9	0 9.01				T 2.11		-		23.6 4	
-	l.dta:	OI lo sosna	16.		8 1	77	1	4 74	-	12	3 7		7			-	16		. 22	12		-	-	-	7.7	3 07	- -	-		
	1 -	Deaths in Public Tublic Tublic Tublical	16. 1	0 46		5	63	- [10	1-		7	00	35 12	r! 	946	5 12 1 1	13	-	4 00		01	16 3	F 1	l r		-			13
	1			6 570	67					4						_		7				-	_		-			94	27	
	1:	Vlolence.	18. 14.	105 196	86		-	9 10	9	7			1	15	1	14	- C	63	67		- 1	1	4	67	- 0	0 09		Ø 1	o. j	_
nelud			-		49									13	-			~	_			-	-	-		-		20	9	ia`.
The DEATHS registered in the Week include		.amittaid	. 12.	103	51	1 1	1		_	*	70 -			70	1	9		10	-	1 1		7	ŀ	es ,	H 9	0 1	-	1	9	c4.
n the	8	Forer.	11.	27	11	1 003			-	_	1 -	- 1	64	41	-	c3 ,	- I	-	1	1 1	1	-	-	-	1	1 1	-	1	1	70;
ered in	Deaths from	-ZariqoonW	10.	8	520	∞ –	-1:	1 1		-	1 -		-	60	23	67	1 -	-	1	- 1	-	**	4		_	1 1	.	-	17	4
regist	Deatl	Diphtheria.	9.	42	24	- 1	1	1 7	1	1	-	1 1	-	-	1	9	67 1	1	1	1 1	1	1	. 2	1	e4 t	→ ,1	-	1	63	'
ATH		Scarlet.	80	44	2	1 1	1	1 1	1	70	1	1 1	1	00	1	00 (24 1	1	1	1 1	1	67	6	1	1 1	٠,	_		-	1
he D		Measles.	7.	151	101		, to		63	11	1	1 01	1	18	1	က	c2 1	1	1	1 -	~	1	4	-	1	1 1		1	16	4
-		Small-pox.	6.	1	1	1 1	8	1 1		1	•	1 1	1 1	ŧ	ı	1	1	1 1	1	1 1	•	1	1	1	1	1 1		1	t	
1	to at	Persons aged 60 Years and upwards	5.	626	268	o 9	H	19	60	87	L- C	07	14	21	အ	35	21	17	9	r 5	10	200	31	13	9 7	e e1		27	31	53
	Deat	Infants under I Year of Age.	4	785	839	20 00	G.	13	70	43	21	12	6	46	10	42	21	14	16	10	, 6	. 85	25	11	200	, ia		11	03	26
during			00	3158	1346	35	100	20 22	28	169		200	85 70	219	42	197	23. 4	57 P	455	36	49	184	125	00	45	24		03	240	152
Registered during	the Week ending 28th June, 1890.	BIRTHS, DEATHS.	.53	5415	2359	49	20	38	22	257	200	120	67	345	65	695	111	5.	92	40	114	245	192	305	200	S		162	898	210
Re						-			-	,-	-			~	10	-	-		-	n -	10	-	_	92 5	1 0	~ 63	- -	10	-	-
1	POPULATION estimated.	to the middle of the Year 1880.*	1.	9,715,559	4,421,661	123,659	95,352	78,780	83,406	461,865	154,344	244,909	105,049	613,463	115,846	279,437	242,509	123,558	105,163	94,273 82,034	240,515	\$63,799	\$32,837	213,833	169 067	117,013	1	271,135	£30,208	00,000
-	2		Cols.	•			•		MO	•	:					•		•	•			•	•	•			1-		•	
	92	HE.	S	100					TAMP	MA		AM	AD		•	EB		· 153	•	VIELL.		•	. q		THE P			9 H e		•
	CITIES	AND BORUUGHS.		28 TOWNS	LONDON	BRIGHTON	NORWICH	PLYMOUTH	WOLVERBAMPTON	BIRMINGHAM	LEICESTER		DERENHEAD	LIVERPOOL	BOLTON .	MANCHERIER	SALFORD	BLACKBURN	PRESTON	HUDDERSFIRED HALIPAX	BRADFORD	LEEDS .	SHEFFIELD	HULL .	NEWCASTLE	CARDIFF		FDINBURGH.	GLASGOW	Donala

TABLE 1 .- BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 28th June 1890.

TABLE 2. LONDON .- Births and Deaths Registered in the TWENTY-SIXTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.**	1890
TOTAL Births Males Females .	2498	2486	2470	2589	2691	2493	2437	2735	2289	2467	2741·4	2359
	1265	1254	1266	1263	1347	1288	1246	1402	1128	1265	1387·5	1196
	1228	1232	1204	1326	1344	1195	1191	1333	1161	1202	1353·9	1163
Total Deaths Males Females .	1300	1440	1303	1432	1471	1366	1258	1338	1238	1265	1462·4	1846
	687	767	682	753	808	729	659	700	636	699	776·4	666
	613	673	621	679	663	637	599	638	602	566	686·0	680

[•] The numbers in this column are the average weekly numbers in the twenty-sixth weeks of the ten years 1880-89, raised by 9'046 per cent, for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABL	E 3. LUNDUN.—E	71141111	, , ,	111109	unu 1	12.13 1 19	OROLO	GI II	· ·	Dast	THIK	LEBIN	W EE	10.
		Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.
TOTAL	Births	23 29	2360	2935	2538	2613	2308	2468	2443	2091	2399	2477	2516	2359
TOTAL	Deaths	1419	1619	1611	1567	1533	1469	1466	1451	1411	1393	1375	1387	1346
Ages at Death	0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & upwards	657 183 239 285 55	774 204 275 308 58	782 177 282 291 79	742 197 255 313 60	721 210 227 305 70	712 170 243 274 70	707 178 261 257 63	739 166 235 239 72	713 186 222 244 46	667 186 250 235 55	658 172 229 247 69	672 177 239 248 51	669 155 254 220 48
99	Under 1 year	310 253 94	372 298 104	356 322 101	369 286 87	\$37 294 90	360 251 101	339 266 102	335 307 97	349 250 114	285 280 102	297 267 94	318 262 93	33 9 25 6 74
Deaths fi	mom Small-pox Measles Scarlet fever Diphtheria Whooping-cough Typhus Enteric fever SimpleConta fever Diarrhœa and Dysentery Cholera all the above- mentioned Diseases	35 8 20 84 - 2 1 10 -	54 12 21 79 1 4 - 10 -	65 13 17 106 - 8 - 11 - 220	61 17 20 88 - 6 1 13 -	1 67 15 18 86 1 6 - 21 -	62 12 25 99 - 3 - 11 -	70 17 21 88 - 8 2 17 -	1 94 15 24 91 -6 -10 1	83 14 25 78 1 3 - 10 -	91 11 20 75 1 7 1 8 1	100 111 24 59 - 11 1 15 -	99 15 19 66 1 24 2	101 7 24 52 2 9 - 51 2
yy Violent 1 Inquest (", Dis, of Respira- tory System ", Phthisis ", Dis, of Circula- tory System ") Deaths Cases	296 180 114 36 85	384 174 151 60 133	280 189 133 41 105	345 154 119 61 125	326 143 140 61 124	301 139 132 62 134	300 154 124 45 100	294 117 121 66 119	259 116 117 64 123	229 138 131 50 109	240 133 122 36 87	215 131 120 54 86	206 136 99 49 98
Deaths in TEMPERA Mean Mean Mean	n Public Institutions ATURE OF THE AIR of Highest readings - of Lowest readings -	562 43.8 54.9 33.1	382 43·2 52·0 37·0	338 46·1 53·8 89·9	374 47·1 56·7 40·1	342 50.7 62.2 38.9	326 52.4 61.6 44.6	376 55·3 67·4 45·6	324 58·3 71·0 45·6	328 54·0 65·9 44·0	331 56·5 67·0 48·1	56.6 67.9 48.1	59·3 70·9 49·8	299 60.6 71.5 52.5
Rain-fall	y of the Air in inches ed Sunshine (in hours)	72 0·00 59:8	72 0·29 22·0	81 0·38 27·0	82 1·00 15·9	67 0·07 6 3 ·9	80 0·56 14·2	69 0·56 54·0	65 0·14 71·2	65 0·07 51·9	76 0·31 25·1	81 0·76 28·4	76 0·38 29·3	82 0·78 36·2

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., Ll.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and R. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Twenty-sixth Week of the Year 1890.

				1 W	ENT	¥-8.	IXT	HV	v eer	of the Year 1890.									
	tor the		Satu	rday	Wee , 28th	Jui	18				for the		Satu	n the	, 28tl	ek e	nding ne 18	90.	
	the 10		De	aths	of P	erso	ns of				ges for		De	aths	of P		ns of		
CAUSES OF DEATH.	Corrected Averages 26th Weeks of the 1880-89.*	ALL AGES.	0-1.	Juden 20.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	so Years and upwards.	CAUSES OF DEATH.	Corrected Averages 26th Weeks of the 1 1880-89.*	ALL AGES.	0-1.	20.	5-20.	20 and under 40.	40 and under 60.	- CG	No Years and
ALL CAUSES	1462.4	1346	1				254			Diseases of Organs of Special Sense †	2.1	4	1	1	2	- 2	4	9	-
Small- pox Vaccinated 1 - Unvaccinated No Statement	}13.2	-	-	1 , 1	- 1	-	1 1 1	7 1		Diseases of Circulatory }	99.3	99	3	1	5	15	41	30	4
Measles Scarlet Fever	59 4	101 7	29	70 6	2	-	-		-	Croup Bronchitis	11·1 103·4	6 104	1 34	5 25	-	ī	10	32	- 2
Typhus Relapsing Fever † Influenza	0·7 0·1 0·1	2 -		-		2 -	-	-	-	Pneumonia Pleurisy Other Diseases of Respi- ratory System }	71.6 5.1 21.0	65 9 22	12 - 5	20 - 4	1 2 -	6 3 -	9 2 5	13 2 6	2
Whooping-cough Diphtheria Simple Continued and \	54·3 16·9	52 24	19 2	33	6	1	1	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	12·9 1·7 8·7	3 4 11	1 -4	2 1 2	2 1	- 2	- 2 2	1 2	- - 1
Ill-defined Fever S Enteric Fever Cholera	11.8	9 2	1	1 -	4	3	1	-		Peritonitis Diseases of Liver Other Diseases of Digestive System	8.3 31.5 59.0	39 35	6	2	1 1 1.3	2 4	16 10	12	4111
Diarrhœa, Dysentery - Remittent Fever† Hydrophobia	57·5 0·3 0·2	51 -	39	8 -	-	-		3 -	1 -	Diseases of Lymphatic System & of Ductless Glands † -	2.1	6	7 -	1	-	5	-	-	-
Cowpox and Effects of Vaccination † }	0.1	-	-	-	-	-	-	-	-	Diseases of Urinary System	37.8	43	1	1	2	5	22	7	5
Venereal Affections – Erysipelas – – – Pyæmia and Septicæmia †	10°4 4°7 3°2	3 4	1 -	1 -	-	1 - 4	-	1 -	1 1	Diseases of Generative	5.9	6	-	_		3	3		
Puerperal Fever Other Zymotic Diseases †	3·2 2·1 —	6	-	1	-	6	-	-	-	Accidents of Childbirth - Diseases of Locomotive	3.8	4	-	-	2	2 2	2	-	-
Thrush Worms and other Para- sitical Diseases }	0°5	-	-	-	-	-	-	1	-	System † } Diseases of Integumen-tary System }	j.9	2	1		-	_	1	_	-
Starvation, Want of Breast-milk † }	1.2	1	1	-	-	-	-	-	-	VIOLENT DEATHS.§						-			_
Rheumatic Fever, Rheumatism of Heart	7.2	4	_		1	4	2	1	-	(ACCIDENT.) Fracture and Contusion Gunshot Wound	20.7	18	1	4	3	2	6	2 -	-
Rheumatism † Gout Rickets †	3·9 3·1	4	- 2	- 2	1 1 1		1 1	3	1	Cut, Stab Burn and Scald Poison Drowning	0'3 2'9 1'7 9'5	4 1 5	1 -	2	1	1 2		1	
Cancer Tabes Mesenterica - Tubercular Meningitis -	53°5 28°0 29°6	57 27 29	15	7	1 4 7	7	23	21	2 -	Suffocation Otherwise	10.4	8 2	8		-	1	-		-
Phthisis Scrofula, Tuberculosis -	162.4	136 17	3 7	3	17	52 2	54	7	-	(Homicide.) Murder & Manslaughter	1.2	5	2	-	1	1	1	-	-
Other Constitutional Diseases † } Premature Birth	31.2	6 	34	-		1	4	1	-	(SUICIDE.) Gunshot Wound Cut, Stab Poison	0.7 2.5 1.5	1					- 1		-
Atelectaris + Congenital Malforma- tions }	1.7	2 6	6	-	-	-	-	-	-	Drowning Otherwise	1.2 2.7 0.9	1 3 1 -		-	1	1	1	1	1 1
Apoplexy	48.6	34	-	2	-	5	8	13	21	(EXECUTION.)	0.0		-	-		_	-	-	-
Convulsions Other Diseases of Brain	7.6 48.6 83.1	4 33 73	29	1 4 12	6	1 - 4	1 -	1 - 23	3	OTHER CAUSES †	53*7	51	46	3	-	1	2	1	1
and Nervous System			1				19	1		on years 1880_S9 raised by 9		1		-	-5		*		-

tunbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population.

ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

assessof small-pox only are returned as "vaccinated," or as "unvaccinated," or which are so certified by registered medical men. When a steendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered returned under the heading "no statement."

lenes at inquests is often insulincent to enable the Coroner to certify whether a violent death be the result of accident, murder, ext, or suicide. All such eases are classed under "accident or negligence."

TABLE 5. LONDON. -FOPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLES during the Week ending

							:	19.7		5 6			durii	ng th	10 W	eek	end	ng
					1 :		The	DEA	THE	egist	ered i	n the	Wee	kine	lude			
	Enume-			eat	ha of					Deat	he fr	om						
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total Birthe.	Total DEATHS.	Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typnoid) Fever.	simple con- tinued Fever.	Diarrhoa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
TONDON	3,815,704	2359	1346	339	268		101	7	24	52	2	9	-	51 —	49	93	299	
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN ASTLUM POSPITALS OUTSIDE REGISTRATION LONDON WEST DISTRICTS.	669,688 905,947 282,238 692,738 1,265,148	370 513 138 481 857	251 312 89 274 410	56 73 14 78 118	57 50 19 51 91		25 27 3 10 36 —	1 1 -	4 8 1 2 9	8 11 5 13 15	2	1 3		11 16 1 11 12	7 9 7 11 15	16 18 13 23 23	63 65 25 78 67 1	
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87880	43 13	25 12	5	7 8	-	3	-	-	2 - 1		î	-	3	- 2	1.	4	
Ken-ington Town Ww - W.M. & C. Brompton H - W.M. & C.	120141 43010	18 2	59 11	18	16 2	-	9	1	1	-	-	1	-	1 -		5	22 6	-
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Www - W.M. & C.	7 <i>5</i> 99 64340 42900	58 62	81 29	11 10	7.4	-	3 8	-	1	2	-	1	-	3	1 2	2 4 1	3 3	-
Chelsea North-west WHHHHH. C. C. Chelsea North-east	30896 24925 32807	14 12 28	11 9 7	2 1 2	1 1	-	1		-	-	7 -	1		1 - 1	111		5	
May Fair WW G.J. Belgrave WHHH C. St. John Westminster HHH - C. St. Margarei Westminster H - C.	80353 59220 35496 24679 29941	2 24 21 11 7	8 18 9 9	1 2 1 3	5 4 1 2 2		1 -	1 1 1 1	1	2 -		100	* -	1 - 1	1 -	1	7 3 7	
St. James Westminster WHH N.R. &G.J. St. Anne Soho HHHHHHHH - N.R.	16608	6	6	4	-	-	-	1	-	1				1	Ī	Ė	1	
NORTH DISTRICTS. All Souls Marylebone HHHHHH W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone (III - W.M. St. John Marylebone H - W.M. Hampstead WwwIHHHH N.R. & W.M.	26759 14891 24809 21118 33700 33638 45452	18 3 19 22 10 15 25	8 3 7 12 11 8 22	1 - 2 2 2 5 4	1 1 1 1 - 3	1 1 1 1 1 1	3 3 5 2 3	1 . 1 . 1 . 1	5			111111	-	3	1 1	1 2 1 - 1	1 - 10	
Regent's Park Pancras H - W.M.	39115 27729 30247 34369 17811 87487	12 4 14 21 17 40 46	8 15 11 10 6 23 28	1 1 1 5 2 8 9	1 1 2 2 8 4		1 1	1 1	11111	1		1 1 1 1 1 1 9		1 2 3	1 1 2 - 1	1 1 2 2 2	9 1 3 4 9	
Upper Holloway WWwH - N.R. Islington South-west HH - N.R. Islington South-east - N.R. Highbury H - N.R. N.R.	67946 100976 61895 52048	62 36 17	3± 19 9	9 5 -	5 3		8	1	1	3 3		1.1		2 -		4 - - 1	1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	22781 9277 87610 76911 39883	14 11 30 58 19	5 5 10 49 9	1 1 2 8 4	2 2 2 9 2	-17-1-	1 2 -	- 3 -	1	3 -	1 1 1 1 0	1	-	2 1	1111	1	1 19	
CENTBAL DISTRICTS. St. George Bloomsbury N.R.	16681	13	3	1	- 2	-	-	-	-	-	_	-		-	-	_	-	
St. Giles South WH N.R. St. Giles North N.R. St. Martin-in-the-Fields HH N R. & C. St. Mary-le-Strand H - N.R. St. Clement Danes H - N.R. Strand Union Workhouse, Edmonton w.	14864 18887 1750\$ 7515 8559	3 4 5	3 2 7 3 6	1 2 1	1 2 - 1		- 1			11111	1 - 1 1 -				1 - 2	1 1 2	3 1 4	
St. Geothe-Martyr HHHHHHH N.R.	19281 14773 17506 11541 18628 9217 7468	4 3 8 9 8 11 9 23 8	3 2 4 6 6 4 5 8 2 3 2	1 1 2 1 1 1	1 1 1 1 3 3		1	1 - 1 - 1 - 1 - 1 - 1 - 1		111111111111111111111111111111111111111					1	1 1 1 1 1 1 1 1	2	
St. Botolph H N. K. & E.) Cripplegate N. B. St. Sepulchre H N. B. St. Bride W N. B. Althaliows Barking N. B. Groud Streat H N. K. Groud Streat H N. K.	8396	2 2 4 1 2 2	13 1 1	1 - 1	1 - 4	8 1 1 1 1	1	1 1 1 1 1	11111	1		111111		11111	2 -	2 -	9	

NOTE - The Italie letters pinesed against the names of the suc-districts denote Public Institutions situated therein, and ly: W-Workhouse; H-Hospital; L-Lunstic Asylum; L*-Private Lunstic Asylum in which paupers are received; w-Workhouse Establishmer receiving instates from other Districts than that in which it stards, (see note at the tops of next pare). The Koman capitals signify the Companies which supply the different sub-districts: -... J. statice Grant Junction Company; W. M. West Middlesex; C. Chateax; S. Southwa and Vaurhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

R, DIPHTHERIA, WHOOPING-GOUGH, FEVER, DIARRHEA, VIOLENDE, &c., registered in each Sub-district day, 28th June, 1890.

day, 28th June, 1890.																		
							Th	e De	ATHS:				Wee	k inc	lude			
	Enume- rated			Dea	tha of				1	Death	s from		1				16	0.0
REGISTRATION SUB-DISTRICTS.	Population, 1881.	Total BIRTHE.	Total DEATHS.	Infants under 1	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enterie (or Typhoid) Fever.	Simple son-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Leath.
		_						-										
EAST DISTRICTS. ditch South † HL* - N.R. n New Town * - N.R. n Old Town N.R. praton WH N.R. & E.L.	22343 29987 28086 46275	16 24 15 26	9 8 19	1 3 2 5	3 2 5	-	1 - 2	1 -		1		1111	1111	1117	1111	1 1 1 4	2 2 6	1111
al Green North H - \sim E.L. al Green East WHL^* - E.L.	51157 34399 41405	45 25 26	12 7 14	8 5 4	1 1 2	-		1 1 1	-1	1	111		111	1 1	- - 1	ī	E5	-
fields E.L. & N.R. End New Town W E.L. chapel Church H E.L. & N.R. nau's Fields F.L. te N.R. & E.L.	22585 15478 17490 9713 6102	22 19 12 5 4	12 28 6 8	4 2 3 2 2	42	11111	1 -		11111		11111	11111	11111	2 1 -	1	1 2 1 2 -	6 20 -	11111
orge's North E.L. hu, St. George East W - E.L.	88747 8410	27 6	13	6 2	2 4		-	-	, # ·	2,	-	-	-	1 -	1 -	4 -	7	-
vel! H E.L. & N.R. ff E.L. and in the control of the contr	10995 16107 32041	9 24	12 5 5	7 2	1	-	1 -	-	1.1	21 - 1	111	= -,			2 -	1 -	4	-
End Old Town West H - E.L. End Old Town East $WwwH$ - E.L.	87960 67653	36 44	38	9	10	i	-	-	-	1	-	-	-	1 2	-	4	9	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	87074 64359 55077	17 42 33	15 27 13	2 5 5	8 6 8	111	3	111	1	ī 1	-	-	-	111	211	2 2 -	15 1	=
South Districts. tehurch Southwark WH L. & S. vious Southwark - S. road - S. & L. tgh-road WH - S. & L. y Newington - S. & L. ary Newington - L. & S. are WH - S. & L. S. & Market - S. & L.	18668 14999 21891 15958 21318 26672 59555 21623	10 7 9 11 11 18 35 21	5 8 11 8 9 14 6	1 1 4 5 4 8 4 90	2 - 1 8 1 1 5 - 2	11111111	11814		1	1				111	8 1111111	1 - 1 - 2 - 3	2 1 2 - 13	1111111111
ary Magdalen W S. & L. ary Magdalen W S. mes Bermondsey rhithe WH S. & K.	16300 15669 54682 36024	14 13 25 21	3 10 9 10	2 4 2 1	2 1 2	1 1 1 1	2		1	- 9		1	-	1111	1 -	1	1	-
100-road lst H - L, & 8,	15195 16351 19876 89859 45282 35832 62887 19017	18 17 8 27 41 11 47 13	6 4 16 17 11 10 8 3	\$ 1 4 6 6 2	- 4 8 1 3 4 -	1111111	38 -	11111111	1	1 3 -	11111111	177777	11111111	11711111	- 18 - 1 - 1 - 1	11111	2 7 5 - 1 - 1 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sattersea Satt	54675 52587 36380 28004 13235 25558	43 45 21 27 7 18	27 26 15 10 3 8	14 9 6 3 1	1 11 8 1 1 2	111111	7 1 3 2	111111	111111	1 1 1 1 1 1	111111	111111	111111	1 2 1	1 1 -	3 1 2	1	111111
ch L. & S. erwell W \(\alpha L \st \text{-} - S. \& L. \) am \(W S. \), L., & K. orge Camberwell - L. & S.	5590 59104 71089 50810	34 51 45	22 15 16	1 6 5	943		1	1111	1111	ī			-	1 1	1 2 -	1 1 -	9 -	2 2 -
ul Deptford ever /K. cholas Deptford K. wich West H K, wich East WHH K.	76752 7901 21972 24603	66 3 10 18	23 3 8 14	5 1 1 8	3 5	1111	1	1 -	8 - 1 -	1171	2 -	1	1111	1	ī	1	7 1 7	1113
m H K. ham WH K. ham H L.	5048 21559 19865 26076	9 15 12	1 4 4 9	1 - 2	- 2 1 4		1111	1111	11.11	1		7111				1 17.1 1	1 1 -	
on HH K. rich Dockyard K. rich Arsonal HH K. tead, West H K. tead, East W K.	10980 17617 19048 14009 19241	2 9 15 7 15	1 3 3 7	3 2	1 2		- 1 - 1 - 1	1 1 1 1 1	1	11111	11111		11111	1	11111	1 1 2 3 1		1
politan Asylum Hospitals: intford w inchmore Hill w	:12	-	ī	-		-	-	-	-		-	-	-	-	-	-	ī	=

pollowing Workhouse Establishments 37s indicated in the above Table by w (see note at foot of preceding page):

Tylebone Infirmary in Kensington Town sub-district.

Trai London Sick Asylum, in Tottenham Court sub-district.

Tourn Infirmary in Upper Holloway sub-district.

Haskney sub-district.

Haskney sub-district.

Haskney sub-district.

His End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Metropoutan Asylum District Hospitsus in Farsam, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-district, and in Dartford and Edmonton sub-districts outside Registration London.

1 lat April 1830 the registration sub-districts of Holywell and St. Leonard, Shoreditch, were united under the name of Shoreditch South.

FABLE 6 .- LONDON .- OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during t

				We	ek en	ding	Satur	day,	28th	June	, 1890	0.					
Regis-		Area							The D	EATHS	registe	ered In	the V	Veek i	nelude		
tration		in Acres,	Enume-			Deat	hs of				Deaths	from					
District	REGISTRATION	inclu-	rated	HS.	DEATHS	H	60 rds.			1	1	ugh.					. plie
Sub-	SUB-DISTRICTS.	Tidal Water	Popu- lation,	BIRTHS	EA	under of Age.	aged upwe	ų. V		Scarlet Fever.	ia.	Whooping-cough				Inquest Cases.	Deaths in Public institutions.
Num-		and Fore-	1881.	H		nts o		Small-por.	sles.	let F	Diphtheria	opin	or.	Diarrhos.	Violence.	sest (the i
bers.		shore.				Infants Year	Persons Years	Sma	Measles	Scar	Dipl	Who	Ferer.	Diaz	Viol	Ingt	Dea
LO	NDON - OUTER RING	370,924	950,957	755	349	63	86	-	15	-	4	16	5	6	19	28	43
80:1	Carshalton wL -	12228	21118	15	4	1	2 2	-	-	-	-	-	-	-	-	-	1
87:1	Epsom (part of)* WwH Godstone (part of) * -	9971 2754	10710 1235	. 7	6		_		-		-	1				2	4
38:1	Croydon Ww L -	20851	101241	77	37	8	. 10	-	2	-	2	-	-	Ŀ	2	6	8
2	Mitcham w †	11697	17982	7	3			-	1			-	- 20		1	1	-
89:1	Wimbledon HHH - Kingston WHH	8220 8549	15959 36354	16 21	6 12	1	8	-	1	-		-			-	I	1 5
8	Esher (part of) * -	6601	9221	4	-	-	3	-	-	4.	-	-			-	-	-
40:1	Richmond WH	4573 2272	13539	8	8	.1	2							_	1	1	1
2	Mortlake	2941	12331	14	8	3	-	-	-	-	-	1	-	-	1	. 2	1-
41:1	Bromley (pt. of) * HH Chishrst(pt.of) * WHH	15669 14807	31142 15844	19 10	11 4	1 -	4 8	-	-	-	-	-	-		1	1	- 2
42:1	Bexley H	18487	24184	11	9	2	3	-	-	-	-	-	-		-	-	-
2	Dartford (Ww, pts. of)*!	-	_	1	-		-	-		-	-	-	-		-	-	-
124: 1	Sunbury w	11055 13277	11685	6	5	1	8	-		-	-	ī	-	-	1	1	-
125:1	Hillingdon WHH -	6029	10802	5	3	-	1-	-	-	-		-	. .	-		-	2
3	Uxbridge Hayes wHL	6178 14587	3225 11528	9	6		1 2		-			_	-	-	1 _	1 -	-
126: 1	Isleworth WHH -	7008	22727	15	10	1	4	-	-		-	1	-		-		5
2 8	Twickenham H Brentford HL	2477 4845	12479 27649	11 14	8	1	2 2		-		1	-	-	1	-	1	1
4	Chiswick	1340	15975	12	.2	1	-		-		-	-	-	1	-	-	-
127:1	Acton wH	6088	22876	7	8	1	1	-	-				1	Ы	1	2	-
127:1	Harrow H Edgware H	13809 6994	12796 3749	9	2	-	1 -	_	-	-	-	-				-	-
3 4	Willesden Hendon W	4388 8382	27453 10484	34 7	18	6	- 2	-	1	-	-	-:		1:	1	1	- 2
137 : 1	Bushey	9331	6621	2	2		_	_	_		_	_:			_	-	-
2	Watford (W, pt. of)* -	-		-	1	H	1	-	-	-	-	-1	- 1			-	1
128:1	South Mimms	158 99 54 33	6391 10092	7 11	_	-	-		-	-	-	1			-	-	-
8	Finchley HL	4638	17615	8	9	2	2	-	1	-	-	-:	-	-	-		5
185 ; 1	Hatfield (part of) * -	3306	583	-	-	-	-	-	-	-	-	-	-	-	Ŀ	-	-
128 ; 1	Hornsey H Tottenham H	3039 4642	37078 46456	59 59	28	6	.1	-	3	-	1	4	3	-	1	1	-
8	Edmonton Ww : -	7488	23463	11	11	2	3		-	-	.: -	-		1	2	1	2
5	Waltham Abbey	11017	19104 5368	16	8	-	1	-	-	-	-	-	_	-	-		1
186:1		8490	7785 38606	1	3	-	1	-	-	-	-	-	-	-	-	-	-
2	West Ham wwH -	4055	90347	92	8 40	9	7	-	-	-	-		1	1	2 2	2	-
8		-	10706 32480	22 42	18	8	-	-	-	-	-	-	-	-	-	1 4	-
5	Walthamstow H -	6520	28869	85	15	-	8	-	-	-	1	2	1	-	-	1	8 -
187:1		11761	9669	8	8	-	1	-	-	-	-	-	-	1	-	-	-
189:1			3411	-	2	2	-	_	-	-	-	-	-		-		-
2 8	Ilford	8493 4127	7645 9203	4	1	-	-		-	-	1	-	-	1-		-	-
1 0	Larring rown -	RLOI	9203	10	1	1	-	1 -	1	1 -	-	-	-	-	-	-	-

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follows:

39:2. Epsom sub-district, except the parishes of Asastead and Headley (pop. 1285); 37:1, the parishes of Wariiucham and Farley in Godscons district; 39:3. Esher sub-district, except the parish of Esher (pop. 19:3); 41:1, Brontley sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hat sub-district, except the parish of They lond Bois (pop. 947); 135:1, the parish of Northaw in Hat sub-district, except the parish of They lond Bois (pop. 947); 135:1, the parish of Northaw in Hat also deaths in Workhouses belonging to the Outer King in 42:2, Dartford, 137:2, Watford, and 387:2, Epping, sub-districts.

† Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolital: Winghmore Hill (see Table 5).

Asylum Hospital, Winchmore Hill (see Table 5).

On 1st January the two parishes of East Ham and Little Ilford were separated from the registration sub-district of West Ham, and constituted the registration sub-district of East Ham,

ABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS). - DEATHS and Rate of Mortality during the Week ending Saturday, 28th June, 1890.

	Area	1 - 1 -		L RATE			The Da	ATH	regi	store	d in t	he W	eek :	inelud	le	
GREATER	Acres, including	Estimated Population.		0 living.	DEATHS from	Deat	ths of			3	Death	s fro	m			blie
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Discases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	fover.	Diarrhos.	/iolence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.		1	1	1 2	11.	12	
TER LONDON	448,334	5,758,500	15.3	2.6	1695	402	354	-	116	7	28	68	16	57	68	345
TER RING -	77,410 370,924	4,421,661 1,336,839	15·9 13·6	2.9	1346 349	339 63	268 86	-	101	7	21	52 16	11 5	51	49	29

rg.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,249,308 Persons.

- 365	POPULATION	DATE				ANNUAL	Di	ATHS	FROM I	PRIN DISEAS	ES.	ZYMO	
CITIMS.	(enumerated or estimated).	OF RETUR		BIRTHS. Exclusive of	DEATHS. of Stillborn.	DRATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœal Diseases.
CUTTA	33,219	May	10	-	233	28.0	14	1	_		1	82	29†
IBAT	773,196 {	June	27	256 352	351 343	19.6 19.2	1 3	5	-	-		125	22
DRAS	398,777 {	May	9 16	320 327	313	40.7	5	15 11	-	_	_	118	11 31
EL	2,260.945		21	1055	906	20.8	2	64	2	36*	10	100	27 63
8 Faubourgs.)	477,288		21	263	153	17.5	2	3	4	-	10	11 2	20
STERDAM -	406,302		21	271	131	16.7		1		2	. 1	2	1
THEDAM -	203,486	12	21	117	72	18.4			_		-	~	_
HAGUE -	156,497	29	21	79	58.	19.3		2		_	-	_	2
BNHAGNN .	312,387		21	201	139	23.2		9	.8	6	6	1	9
CKHOLM -	236,350	1	14	151	110	24.2	_	_	7	3*	1	1	16
- AIMAITSIS	143,300	"	21	58	58	21.3	_	1	_	4		_	7
PETERSBURG	924,465	25	14	-	478	27.0	1	21	38	6	3	9	51
STIM	1,526,887	23	7	900	688	23.2	-	39	7	20	13	2	110
MBURG (State)	575,276	19	14	419	223	20.2	-	6	2	8*	1	4	16
BSDEM	269,250	29	14	162	103	19.9		5		6*	-	-	6
BELAU	324,400	39	21	237	145	23.4	-	-	3	5*	-	4	28
NICH	293,000	Đ,	21	235	175	80.2	-	3	5	6*	1	-	47
MHA	822,176 314,425	D	21	500	349	22.1	1	14	-	5	1	1	23
DA-PESTH .	463,017	12	21	7	180	29.9	,	15	7	3	2	1	5
METH	160,092		14 21	284	300	33.7	-	1	-	11	2	. 2	29
		P '		107	63	20.1	-	-	. 1	2*	-	-	5
13 · ·	418,217	May	24	189	159	20.8	- 1	6	-	3	. 1	4‡	11
RIE (11 days)	314.827	**	31	235	192	20.5	1	3	-	3	2	3	14
	156.515	June	7	85	62	20.7	6	-		~	-	2	. 6
E .	374,838	>>	12	341	. 329	45.6	-	1		2*	-	21	118
EXANDRIA -	231,396	19	12	157	166	37.3	2	-	-	2*	~	10	43
W YORK -	1,595,547	29 .	7	-	821	26.2	-	37	13	23	13	3	38.
DOKTAR -	859,612	н .	7		360	21.9	-	3	3	25	7	4	10
LADELPHIA -	1,064,277	33	7	-	465	22.8	-	5	6	7	5	4	25
LTIMORN .	500,343		14	***	294	30.6	-	6		3	2	5	95
W ORLEANS -	254,000	May.	17		135	27.7	-	1	-	4	-	7	11
	-						1.					- 1	

<sup>Including deaths from croup.
Including 14 deaths from cholera.
Including 5 from malarial fever.</sup>

TABLE 9.—METROROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwide, during the Week ending Saturday, 28th June, 1890. [Under the Superintendence of the Astronomer Royal.]

									Unae	r the Ni	rberin	Under the Superintendence of the Astronomer	na 60 92	e Astr	nomer	ronar.					١		ı	ı	ľ
	-	B	Ваво-		TEMPER		TURE.		Theffor	mee hot	roen		TER	TEMPERATURE	TURE.			Wind as deduced from Anemometers.	duced fr	om Anen	aometer			Rain	
		M	STER.					1001	the Air	Temper	ature	-		-		1		Osler's.						in a	
1890.	Pi		aily ding		Of the Air	Air.		Dew Dew Point.	Tel	and Dew Point Temperature.	int re.	of Hu-	Of Radiation.		of the Water of the Thames at Deptford.	mes rd.	General Direction	frectiom.	Pres. Squ	Pressure on the Square Foot.	eg.	Robinson's.		Gauge whose receiving	Ozone.
Моите аир Дах.		Moon, and duc 8	rected and reduced to 32° est. Fahren.	t. est.	. Daily Range.	ly Mean daily se. value.	parture from A verage of 29 years.	Mean daily value.	Mean daily value.	Great-	Least.		High- est in Sun's Rays,	Lowest Bon the Grass.	High. Le	Low.	A.M.:	P.M.	Great-	Least. h	Mean of 24 hourly obs.	Horizontal Movement of the Air on each Day.	Departure from Average of 16 Years.	surface is 5 inches above the Ground.	
JUNE.	1			-	-	-		-	0	0	0	-	<u> </u>				-		lbs.	lbs.	lbs.	Miles.	Miles.	in.	0.0
SUM 2	27		8.69 296.	.3 20.5	1.61 2	1 58.0	1 3.1	24.6	ده 4	14.3	0.0	68	6 0.22	7.15	29 8.79	62.3 SW.	SW.& WSW.	WSW.& W.	2		-		+		
Мож	53	29	29.993 67.7	1.99 4.	0.11 2	8.19 0	7.0 + 8	0.69	20.00	7.2	0.0	16	2 2.68	9 8.02	62.6 62	0.79 W	WSW.	SSW. SW.	0.0	0.0	0.0	120	-119	10.0	2.0
TUBB 2	24	50	0.94 926.65	9.99 0.	8 19.4	4 64.1	4.5.4	1 22.4	6.4	16.0	0.0	80 1	130.4 4	9 9.45	62.6 62	62.2	WSW.	W. & SW.	0.5	0.0	0.0	180	19 -	70.0	0.0
WED.	25 Fire	r.	29.303 80.3	2 53.1	1 27.1	1 65.3	3 + 3.4	9.92	2.8	0.12	0.0	74 1	142.6	42.1 6	62.8 62	62.5	SSW. &	WSW. & SW.	1.3	0.0	0.0	247	+	00.0	0.0
•	26		29.724 67.1	1 53.8	8 13.3	3 58.8	3.5	58.4	₹.0	7.4	0.0	99	100.5	9 0.9%	63.8	63.1 SW.	₩.	SW. & WSW.	2.0	0.0	0.0	225	- 21	0.58	0.0
			29.639 70.5	2.67	2 21.3	3.82	1 3.5	8.47.8	0.11	2.12	0.0	67 1	139.1 4	41.8	63.5 62	9.59	WSW.	WSW.	8.8	0.0	0.2	400	+152	0.05	0.5
•	58		29.624 70.0	0 48.1	1 21.9	9 57.5	7.4-	1 20-1	4.4	18.7	0.0	77	136.0	8.0%	63.5 65	85.6 SW	SW. & SSW.	WSW. & SW.	1.6	0.0	0.0	227	1 23	0.43	8.0
MEANS	1 .	- 66	29.833	2.72	2 19.0	9.09 0	- 1.1	54.9	2.9	15.2	0.0	92	123.6	44.5	63.0 62.	1 10	SW. &	WSW.	:	:	:	Sum 1643	Sum - 62	Sum 0.78	0.4
No. of Col.	1.	00	4	9 . 5	7	90	6	10	11	12	13	14	15	16	17 1	18	61	20	21	22	23	24	25	26	27
DATE.		ELECTRICITY. (For explanation of symbols, see Note.)	nation of e Note.)	Regis Suns in ho	tered Shine, urs.	Registered Sun above Sunshine, Horizon, in hours.	2	GF	NER	GENERAL REMARKS.	MARK	y <u>a</u>		Th	e heigh	t of the	cistern applied to	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.	neter i	s 159 fer duce to	sea lev	e the mea	n level o	f the seg	я; по
SUNDAY .	22 W.	m. P. in morning; w. P. afterwards.	morning ;		8.0	16.6	Over	Overcast generally	rally.					eye-r conv of the	servati eadings erted ir photo	of the ito mea	usually ta barometer n daily va records n	Observations are usually taken at 91. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and of the photographic records made during the twenty years ending 1873 for the barometer, and	M.; no lb ther applica the tw	on; 3h. momet tion of enty ye	P.M.; er, and correc ars enc	and 9n. P. the wet k tions dedi ling 1873 f	M. The nulb ther need from or the ba	The means of the thermometer, are from a discussion he barometer, and	f the ssion saion
MONDAY .	23.	w. P. generally		•	0.0	9.91	Over	Overcast; slight rain in morning. between \$h. A.M. and 16th, A.M.	ght rai	in m	orning.	Great	gloom	durii of th and (colu	og the tedry by minimum 8).	wenty I	mometer remometer rean dail;	during the twenty years ending 1806 for the infermoneckers. What we corrected mean reading of the dry built thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced (column 8). The mean daily dew point temperature and degree of humidity are deduced	the cortempe temper	rected san da rature	mean o	of the read ue of ten agree of h	prrected lings of t nperatur numidity	mean reside maxime of the sare ded	mum e air luced
TUESDAY . 2	21.	v. P. throughout	ghout	15	62	16.6	Fine with fi	Fine in early morning; overcast with frequent rain; the alterwards; till evening; cloudless at night.	sin; file	ing; over a stringpt.	ereast ards;	till 10gh. A.M., partially cloudy	h. A.M.,	recor	from the mean metrical Tables. The average to records made at	ean da oles. ge temp e at Gre	orature o	from the mean daily values of the dry and wer burn measurements by character a rygro- metrical lables. The average temperature of the air is that derived from a discussion of the photographic propers made at Greenwich during the 20 years ending 1808, and that of horizontal movements.	that d	er bun	rom s.	discussion that of	n of the	photogrand	ygro- aphic ment
WEDNESDAY	25	w. P.		H	11.5	9.91	Cloudles cloudy till	Cloudless in oudy till even	early ing; ov	e in early morning; fine evening; overcast at night.	t night.	and	partially	of th In	e air fre	om a dis	cussion o	of the air from a discussion of the anemometric records for the 16 years ending 1875, in realing the columns 9 and 25 if will be borne in mind that + indicates "high in the columns of th	netric i	records orne in	for the	o 16 years that + in	ending 1	1875. "higher,"	and,
THURSDAY	2,4	W. P.		83	6.3	16.2	Over	Overcast with frequent rain afterwards; cloudless at night.	h frequ	ent rai	E E	afternoon;	n; fine	The the s	e thern urface, readin	nometer at the e	s in the ward of one registere	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	Thames nies of erk of	the Fo	reign (larket,	lata dep Jattle Ma under in	th of tw rket at I astructio	ro feet b eptford, ns from	and the
FREDAY .	72	v. P. and w. I	morning; N. after-		10.3	16.5	Fine	Fine; partielly cloudy. A shower of rain about 10th. A.M.	lly clou	dy. A	фомег	of rain	fell at	Corr The symi	Corporation The recorsymbols em	of Longida of E	don. lectricity are:P.	Corporation of London. The record of Beleardity is derived from Thomson's self-registering Electrometer. The record of Beleardity is derived from Thomson's self-registering Electrometer. Symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong;	from T	homsor ive; w	'a self	registerir	g Electrierate; s	ometer.	The ; and
SATURDAY.	28	w. P. in morning; s. N. principally after-	morning		69	16.5	Cloudy	Cloudless in early morning; fine but cloudy till atternoon; variable and showery	early noon;	morning	and sho	ery	generally tail even-	; 3	e num	be dura	olumn 29 ion of bri	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreement of duration of bright sunshing on each day. The agreement of the first programment of the agreement of the sunshing of the	n the	Campbo	ell-Stok	kes Sunsh	ine Inst	rument,	show sho
	3W	irds.	Non-Onige of	-	Sum 36.2	8um 116.9	ing :	ing; overcast with heavy rain at hight.	with he	ry rain	at nigi	i.		Civil	day, or	from n	nidnight t	The regular of an individual monoconform and the second of the work of the week to 30.01 in. The reading of the burnneter increased from 29.97 in. at the beginning of the week to 30.01 in.	rom 29	.97 in.	t the b	eginning	of the we	ek to 30	Ol in.

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANK, E.C.

No. 27. 1890. Vol. LI.]

WEEK ENDING SATURDAY, JULY 5.

[Price 11d.

General Register Office, Somerset House, 7th July, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in Twenty-eight Great Towns of England and Wales corresponded to an annual rate of 17.4 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending		The second of the second		.~	Weeks	ending	5
Towns.	June 14.	June 21.	June 28.	July 5.	Towns.		June 14.	June 21.	June 28.	July 5.
Birkenhead	17.9	14.9	17.4	18.4	Liverpool		20.7	21.9	18.6	16.7
Birmingham	17.2	18.6	19.1	16.9	London				15.9	
Blackburn -	17.7	18.1	22.8	14.3	Manchester -		26.2	29.0	27.1	25.3
Bolton -				25.2	Newcastle-on-Tyn	1e	21.1	25.6	23.7	18.9
				20.2					19.1	
	10.5				Nottingham -		9.6	12.6	11.3	14.1
				12.1	Oldham -		17.8	19.2	16.7	16.3
Cardiff -	12.9	14.3	10.7	21.8	Plymouth		23.8	22.5	14.6	17.2
Derby -	14.0	15.5	14.5	14.5	Portsmouth -	.	19.3	18.6	12.4	12.8
Halifax -	20.3	19.1	15.9	18.4	Preston		16.9	16.9	22.3	21.3
Huddersfield				14.4	Salford		18.5	19.4	20.4	17.8
Hull	15.1	15.9	14.6	14.6	Sheffield		21.0	24.4	19.6	16.1
				20.4	Sunderland .		19.5	20.2	17.2	17.6
Leicester -	13.2	14.9	14.5	16.6	Wolverhampton -		22.5	16.3	17.5	13.8

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·0 in Birmingham and in Derby, 1·2 in London and 1·3 in Plymouth; from whooping-cough, 1·1 in Norwich; and from diarrhea, 2·7 in Leicester and 4·0 in Preston. The rates from searlet fever and from "fever" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 29 deaths from diphtheria included 21 in London and 2 in Salford. No death from small-pox was recorded in any of the twenty-eight towns.

LONDON ...

In London 2480 births and 1481 deaths were registered. Allowing for increase of population, the births were 202, and the deaths 85, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had been 16·4 and 15·9 in the two preceding weeks, rose last week to 17·5. During the thirteen weeks of the past quarter the death-rate per 1000 averaged 17·3, which was 1·3 below the mean rate in the corresponding periods of the ten years 1880–89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

[,] A 63356.—1. 635.—7/90. Wt.

The 1481 deaths included 100 from measles, 13 from searlet fever, 21 from diphtheria, 57 from whooping-cough, 6 from enteric fever, 2 from ill-defined forms of continued fever, 85 from diarrhea and dysentery, 4 from cholera and choleraic diarrhea, and not one from small-pox or from typhus; thus, 288 deaths were referred to these diseases, being 29 below the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 14; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and not one in the Highgate Small-pox Hospital. The deaths from measles, which had fluctuated in number in the four preceding weeks between 91 and 101, were 100 last week, exceeding the corrected average by 43. The fatal cases of scarlet fever, which had been 15 and 7 in the two previous weeks, increased again last week to 13, but were 16 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1283 scarlet-fever patients at the end of last week, the numbers on the four preceding Saturdays having increased from 1133 to 1247; 150 cases were admitted during the week, against 143 and 136 in the two preceding weeks. The deaths from diphtheria, which had been 19 and 24 in the two previous weeks, declined again last week to 21, but exceeded the corrected average by 3. The 57 deaths from whoopingcough exceeded the number in the previous week by 5, and the corrected average by 6. The 85 deaths from diarrhaa showed a marked increase on the numbers in recent weeks, being, however, 44 below the corrected average; 77 were of children under five years of age. The deaths of an infant and three adults were attributed to "choleraic diarrhea" or to "English cholera."

The deaths referred to enteric fever, which had numbered 6 and 9 in the two previous weeks, declined again last week to 6, being but half the corrected average. The Metropolitan Asylum Hospitals contained 48 cases of enteric fever, and 4 of typhus, on Saturday last; 5 cases of enteric fever were admitted during the week,

against 14 and 6 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had declined from 240 to 206 in the three preceding weeks, increased again last week to 244,

and exceeded the corrected average by 43.

Different forms of violence caused 55 deaths, concerning all but 3 of which inquests were held. Of these 55 deaths, 4 were cases of suicide, and one of manslaughter, while the remaining 50 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 2 by burns or scalds, 2 by poison, 8 by drowning, and 10 (including 8 of infants aged under one year) by suffocation. The death of a male, aged 13 years, which occurred on 28th June, was certified to have resulted from "sun-stroke, 2 days, 12 hrs.; convulsious."

GREATER LONDON.

In Greater London 3221 births and 1820 deaths were registered, corresponding to annual rates of 29.2 and 16.5 per 1000 of the estimated population. In the Outer Ring 16 deaths from whooping-cough, 11 from measles, 8 from diphtheria, and 7 from diarrhoa were recorded. The deaths from whooping-cough included 4 in Tottenham and 3 in Edmonton sub-districts; in Tottenham sub-district 4 deaths from measles and 3 from "fever" were also reported. Two deaths from diphtheria occurred in West Ham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.47 ins.; the highest reading was 29.73 ins. on Sunday at noon, and the lowest 29.02 ins. on Monday afternoon. The mean temperature of the air was 55°.7, and 5°.8 below the average on Monday attendoor. The mean temperature of the day was 53.74, and 5.78 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency on Saturday amounting to 10°.5. The general direction of the wind was variable, and the horizontal movement of the air averaged 10.77 miles per hour, which was 0.3 of a mile above the average in the corresponding weeks of 16 years. Rain fell on six days of the week to the aggregate amount of 1.777 inches. The duration of registered bright sunshine in the week was 23.5 hours, against 32.2 hours at Glynde Place, Lewes.

* See note on first page of this Return.

-			-	BACOPINI BAC			Marin Ka		A.	,,,	0100	,,		-	1163	,	LTA	- 00	ore	710	99	•											275
	CITTES	B	_	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.		WOLVERHAMPION.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	Rollon.	MANCHESTEE,	SALFORD.	Dr. OLDHAM.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	HTTT	STANDER AND	New Gent	CARDIFF.		EDINBURGE.	DUBLIE.
	KAINFALL.	Centi-	nl	24.	3.73	4.50	2	1 1	3.56	2.56	3.53	E	1	2.18	1	ī	1.27	1	2	1	1		1	t	3.05	1	3 1	01 0	10 H	0.48		2.29	2.16
	KAIN	Inches.	uj	23.	1.47	1.11	1	1 1	1.40	68.0	1.31		ı	98.0	1	1	0.62	1	1	Į.	ı	1 1	1	1	1.50	í	. 07.00	7.47	T 02	- CG . Z	- Constitution of the last	06.0	
AIR.	811.	.abargit	αeΩ	22.	11.78	13.17	1	1 1	12.72	12.00	11.00	1	1	12.28	g	1	71.5	ı	ı	1	ı	1 1	1		19.11	1				10.00		11.72	
OF THI	Mean.	.tienheit.	Kab	21.	53.2	55.7	ı	1 1	54.9		21.8 1	1	1	54.1 1	¥		53.0 1	ı	ı	,	8	1 1	1	1	52.9 1	1		0.50		9.00		53.1 11	
TEMPERATURE OF THE AIR.	•1	I.OW68	lheit.	20.	30.4	45.5 45.5		1 1	46.0		39.7	1	1	45.9	ı		1. 4.67	1	1		1	, ,			48.5	1		%T.0.1%		g 1 - 1 - 1 - 1		45.0	
EMPER	.31	eodgiH	Fahrenheit	19.	1.17	1.1	1	ł 3	68.0		e . 8.99	1	1	65.8 4	1		63.0 4		1	1	1	1 1	8	,	62.2 48	-				0.00			63.2 40
	athe	ni sesses la, 6-12.	Co	18.	2.5 7	3.3 7	₽.0	2.7			······································	2.1	3.1		7.7	POET NA	3 6	7	6.T	1 15	7.0	4 · 4	9.0	. 9.0	Marrier 10	1.9	-			1.8		1.3 63	
nnual per 100	corresponding to the Week's Deaths	Causes.		17.	4			9.7			To so				-		2 1.01				14.8			18.4 0				14.0 O		. oc	_		
4		offito sesu		16.	68 17	4	1		1 1 1	4		6 110	10 mg/mg	2 2 3 4	14		0F/26m2		0 % - A4004		and Administration	-	14	180	20	-	-	reintanno)	T		1. 1.	Worklinder of	23.1
		isathse(I oildu'A aoitutitenl		10.	538 6	310 1	4 0	0 4	Н						10 1		28 13			01	1 G	1 11	62	4	11		20 0		T :	2	[48 24
		asU tesupi riadtasU	_	14.	218 5	36 1 3		1 1		ו מו	ء م	00	1G	13	4	1	 90 F			9 0	1 -	1 01	1	ei.						41 C	-		
rde	-	*9ousjot		13.	129	10 1		I ==	1	00 0		4	<u>.</u>	00	4	1 0	 9 r			07 1			1			9 1		41 0	n 0	23 63	-	41 00	- so
The DEATHS registered in the Week include		.amdrrsi	= =	1	150	82	1	1 00	H	1	1	4	00	00	1,		20 0	23	9	4	1	00	-	1	4	10		c	23	1 -		67 5) I
be Wee		.1940	E E	11:	16	00	ı	1 1	H	1	ı	ı		I	1	1 1		1	1 :		1 1	1	1	E	1	67	1 -	-	1	1 -	-		1 00
ed in t	from	congp.	M F	30.	600	22	r	- c1	1	1	ı	10	ł	Н	Н	1 :	ي د د د	:4	67	G	N 1	1	1	ı	Н	-	1Q 1		51	24 1		4 0	3 4
egister	Deaths from	.sirehtheria.	n .	6	20	21	1	1 1	1	1	1	1	ı		1	1		1	1	C.J	1	1 1	ı	r=1	1	i	ı	1 :	Η.	H ,-	-	1 0	
ATHER		exrlet. Fever.	s	o l	45	13	I	1 1	1	H	1	9	6.1	1	H	1 0	သေ	21	Wi I	30	1 -	1	1	ī	1	1	00	t	1	c1 1		1 0	3 1
The DE		essies.	N	1:	132	100	1 7	I	0.1	1		9	ı	l.	61	1 ;	H	1	C3	. [8 7	1	ı	1	Н	1	93	t	1	1 -	1	1 00	3 1
		mall-pox,		9	ı	1	1	1 1	1	1	1	1	1	ı	1	1	1	1	1	ı	ı	1 1	1	1	1	1	1	1	1	1 1		1 1	1
	aths of	ersons age 60 Years abrawqub	od _	2.	099	284	9 1	I 8	ော	15	-	23	10	23	9	12	ವಾ ೦	0	55	13	E o	D 63	9	9	15	67	00 0	200	II	₹ 00	0	24	44
	Deat	ants under Year of Age.	in]	4	865	423	4	11	00	11	20	44	19	18	6	10	13 6	IS	47	17	1	14	120	Н	23	44	23	17	13	ۍ <u>-</u>	1	15	F 88
dduring	-	H P		3.	3236	1481	16	20 cs	56	40	1 21	150	40	99	200	200	931	26	184	83	46	# es	93	29	83	142	103	00	46	49	OF.	946	156
Registered during	the Week ending 5th July, 1890.	BIRTHS, I		- 1	5553	0857	55	<u> </u>	83	116	49	265	100	107	60	65	202	97	82.00	127	000	26	51	41	120	239	1000	120	Ti co	25.5	00	143	210
	Z .	to the middle of the Year 1890.*		1.	8,715,559	4,421,661	128,659	142,052	78,780	232.248	£3,406	461,865	154,344	244.9(0)	100,871	105,049	612,463	115,846	879,437	242,509	100,710	105,163	94,253	\$2,034	240,515	\$62,799	532,537	213.563	000,001	192,987		271,185	858,082
	CITIES	AND BORUCGHM.		Cols.	28 TOWNS	LONDON -	BRIGHTON	- HIDORESHON	ht	· TOISIN.	WOLVERBAMITON	RIEMINGEAM -	LEICESTER	NOTHER GRAM .	DERET	BIRRENBRAD -	LIVERPOOL	CILON	STANCHESTER .	SALFORD .	DIACTORNA .		HULDERSTELD .	LALIFAX	BRADRORD	LEEDS	-	Entransians	N. T. T. C. C. C. T.	CARDIER		EDINBURGH GLASGOW	

TABLE 1.-BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 5th July 1890.

Table 2. LONDON.—Births and Deaths Registered in the TWENTY-SEVENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
TOTAL Births Males Females .	2510	2408	2443	2478	2458	2420	2458	2562	2348	2507	2681·7	2480
	1268	1216	1244	1284	1262	1199	12 0 8	1265	1206	1285	1356·2	1300
	1242	1192	1199	1194	1196	1221	1250	1297	1142	1222	1325·5	1180
Total Deaths Males Females	1326	1585	1293	1521	1508	1412	1540	1610	1211	1350	1565·5	1481
	679	-809	683	774	773	756	812	866	627	720	818·3	792
	647	776	605	747	785	656	728	744	584	630	747·2	689

[•] The numbers in this column are the average weekly numbers in the twenty-seventh weeks of the ten years 1880-89, raised by 9.046 per cent, for increase of population.

LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS

TABLE 3. LUNDUN.—B		, Du	1110,		11111	10110.	THE REAL PROPERTY.		Duby .	LHIRT	T27714	VEEK	
	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.
TOTAL Births	2360	2935	2538	2613	2308	2468	2443	2091	2399	2477	2516	2359	2480
Total Deaths	1619	1611	1567	1533	1469	1466	1451	1411	1393	1375	1387	1346	1481
Ages at 20—20 years - 20—40 " - 140—60 " - 60—80 " - 80 years & upwards	774 204 275 308 58	782 177 282 291 79	742 197 255 313 60	721 210 227 305 70	712 170 243 274 70	707 178 261 257 63	739 166 235 239 72	713 186 222 244 46	667 186 250 235 55	658 172 229 247 69	672 177 239 248 51	669 155 254 220 48	793 165 239 237 47
Yunder 1 year - 1—5 5—20	372 298 104	356 322 104	369 286 87	337 294 90	360 251 101	\$39 266 102	335 307 97	349 250 114	285 280 102	297 267 94	318 262 92	33 9 253 74	423 281 89
Deaths from Small-pox """, Measles """, Scarlet fever """, Diphtheria """, Whooping-cough """, Typhus """, Enteric fever """, Simple Conta fever """, Diarrhæa and Dysentery """, Cholera """, all the above-	79 12 21 79 1 4 -	65 13 17 106 - 8 - 11	61 17 20 88 - 6 1 13	1 67 15 18 86 1 6 -	62 12 25 99 - 3 - 11	70 17 21 88 - 8 2 17	1 94 15 24 91 - 6 - 10 1	83 14 25 78 1 3 -	91 11 20 75 1 7 1 8	100 111 24 59 - 11 1 15	99 15 19 66 1 24 2	101 7 24 52 2 9 - 51 2	100 13 21 57 - 6 2 85 4
mentioned Diseases	181	220	206	215	212	223	242	214	215	221	232	248	288
" " " " " " " " " " " " " " " " " " "	384 174 151	189 133	345 154 119	326 143 140	301 139 132	300 154 124	294 117 121	259 116 117	229 138 131	240 138 122	215 131 120	206 136 99	244 115 105
Violent Deaths Inquest Cases Deaths in Public Institutions	60 133 382	41 105 338	61 125 374	61 124 342	62 134 326	45 100 376	66 119 324	64 123 328	50 109 331	36 87 327	54 86 314	49 99 299	55 96 310
Mean of Highest readings - Mean of Lowest readings -	43·2 52·0 37·0	46·1 53·8 39·9	47·1 56·7 40·1	50.7 62.2 38.9	52·4 61·6 44·6	55·3 67·4 45·6	58·3 71·0 45·6	54·0 65·9 44·0	56°5 67°0 48°1	56.6 67.9 48.1	59°·3 70·9 49·8	60.6 71.5 52.5	55.7 66.6 48.6
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	72 0·29 22·0	81 0·38 27·0	82 1·00 15·9	67 0·07 63·9	80 0·56 14·2	69 0·56 54·0	65 0·14 71·2	65 0·07 51·9	76 0·31 25·1	81 0·76 28·4	76 0·38 29·3	82 0·78 36·2	84 1·77 23·5

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.B.S.:-F. E. Sawyer, Bsq., F.S.A., Brighton: John Merrifield Esq., Ll.D., Plymouth: R. C. Cann Lipplacott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-humpton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.B.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Twenty-Seventh Week of the Year 1890.

	[0 =	9	-		_			_	110	ek of the Year 1890.		6		R contra					-
	or the	<u> </u>	Sat	n the urda;	y, 5tl	i Jul	y 188	0.			for the		Sal	In the	y, 5t	ek e h Ju	ndin ly 18	90.	
	20		D	eaths t	of E	erso ges	ns o	Į.			es fo		D	eaths	of P		ns of		
	of the		1	Jn-le	- 1	40.	60.	80.	12	CATTONO OF DULM	Averages iks of the 1 1880-89.*		1	-		40.	60.	200	
CAUSES OF DEATH.	A 88 8	E8.	1_	20.		under	under	under	bun s	CAUSES OF DEATH.	Av 6kg 188(100 H	,	Inde: 20.		under 4		er	Sud.
	W	AG							Years		Wee	AGES					under	i nn	Years
	Corre 27th	ALL	10	I-0.	5-20	20 and	40 and	60 and	dn nb	ec - 151 + . eq . ,	Corre 27th	ALL	0-1.	1-6.	5-20.	20 and	40 and	60 and	NO X
		1	1	1		1	,	1				1	-		0 1	64	41	9 1	~
ALL CAUSES	1565.5	1481	423	281	89	165	239	237	47	Diseases of Organs of Special Sense t -	2.5	1	-	1	-	-	-		-
(Vaccinated; -	8.8	-	-	-	-	-	-		۹				1						
Small- pox Unvaccinated No Statement	5.7	-	-		-	-			H	Diseases of Circulatory }	101.4	105	-	1	5	14	34	46	5
Measles	56.9	100	23	70	7		-					-			-		-		
Searlet Fever	28.6	13	-	10	8	~		H		Croup	9.9	7 108	35	6 19	1	Ĭ,	15	27	-
Typhus	0.7	-	-			•	-	٥	-	Pneumonia	65°4 4°9	99	18	31	6	13	22	8	1
Relapsing Fever †	0.0	2	-	-		-		H	-	Other Diseases of Respi-	19.5	26	7	9	_	4	4	2	1
Influenza	50.2	57	18	36	-8	1		1		ratory System }						_			
Whooping-cough Diphtheria	18.3	21	2	11	8	-	-	-	-	Dentition †	14.9	11	7	4	-	-	-	-	-
Simple Continued and	1.2	2	-		_	_		1	1	Quinsy, Sore Throat † -	1:5	2 29	13	1 6	2	ī	4	3	-
Ill-defined Fever - 5 Enteric Fever	12.9	6		1	1	3	1			Peritonitis Discases of Liver	7.6 35.2	30	1 4	1	2	2 5	9	10	- 1
Cholers and Chel, Diarr.	5.2	4	1		-	-	3			Other Diseases of Digestive System -	80.4	19	6	-	1	2	4	5	1
Diarrhes, Dysentery -	128.7	85	66	11	1	1	1	4	1	Digottive System -)		-			_	-			
Remittent Fevert	0'4	1	-		-	-	-	1	-	Diseases of Lymphatic)	0.0								
Hydrophobia	0.0			-	-	-		-	-	System & of Ductless Glands † -	2.0	2			-	1		1	
Cowney and Effects of)	3				-		-		-			_				-		_	
Cowpox and Effects of Vaccination † }	0.0			Ŀ	-		-	-	-	Diseases of Urinary System }	36.0	43			4	12	18	9	-
Venereal Affections -	10.1	10	5	1	-	2	1	- 1	-	-,		-			_	_	_		_
Erysipelas	4°5 2°8	1 4	1		-	-		-	-	Diseases of Generative	2								
Pysmia and Septicsmia † Puerperal Fever	5.7	8	-			3	1	8		System } Accidents of Childbirth -	6.4	6			1	6	2	_	-
Other Zymotic Diseases †	1.9		-	_	_					Acordents of Childbirth -		-						-	-
										Diseases of Locomotive }	7.1	8	1	_	_	1	1	-	
Thrush	. 2'8	-	~	-		-	-	~	-	System † 5			_	-			_	_	
Worms and other Para-	0.5	1	-	-	-	-		1	-	Diseases of Integumen-	5.7	6	١,	,	,				
		_	_			=				tary System}		-	4	1	1				
Starvation, Want of Breast-milk † }	1.6	3	2	-	L		_	1											
Alcoholism	6.3	1	-	-	_	-	1			VIOLENT DEATHS.									
The state of the s			-	-	-		-	-		(ACCIDENT.)									
Rheumatic Fever. Rheumatism of Heartt	7.4	4	-	-	3	1	_			Fracture and Contusion Gunshot Wound	21.7	25	-	2	7	4	1	7	4
Rheumatism of Hearty)	2.4	1	-				1			Cut, Stab	0.1	1 2	=	=	1	_	-	-	E
Gout	2.3	4	-	-	-	_	.8	1		Burn and Scald	1'3	2	1 -	=	2		-	1	-
Rickets †	5.1	6	8	3	-	-	-		-	Drowning Suffocation	12.2	8 10 2	8	2	1	5	1 -	=	
Cancer	55.2	77	-	-	2	7	41	25	2	Otherwise	4.4	2	-	1	1	-	-	-	
Tabes Mesenterica – Tubercular Meningitis –	28'6	26 30	20	5	-	-	-	1	-	- (N									
Phthisis	154'5	115	2	19	13	57	33	8		(HOMICIDE.) Murder & Manslaughter	1.6	1	1			-			
Scrofula, Tuberculosis -	18'6	14	8	4	-	1	1	-		Luruor a mansiaugnter			1		_		_	_	
Other Constitutional)	11:0	11	1 -	_	1	2	4	4		(Silicina)									
Diseases † 5		-	-	-		_		-		Gunshot Wound	11	-	-	-	-	-	-	-	-
Premature Birth	32°3	42	43	-		_	_	-		Cut, Stab	1.6	1	-	-	-	1	-	1	-
Ateleotacis †	8.1	1	1	-	-	-	-	-	-	Drowning	1°5 2°3	1	-	-	-	ī	-	-	-
Congenital Malforma-}	2.0	8	4	1	-	-	-	-		Otherwise	1.0	î	-	-	-	-	1	-	-
Old Age	46.9	37	-		_	-	-	20	17				-		-				
		-	-	-		-	-	-		(EXECUTION.)									
Apoplexy	40.8	35	2	-	-	3	15	14	2	Hanging	0.0	-	-	-	-	-	-		-
Epilepsy Convulsions	7·6 58·9	7 51	10	7	-	3	2	1	1			-	-						-
Other Diseases of Brain)	1		46	4	1	-	-	-		OTHER CAUSES †	61.8	51	41	5	-	1	1	8	-
and Nervous System	92*9	79	22	10	6	1	-11	21	5		- 1		1						,
* The numbers in this	column :	re the	aver	OCE I	wook	le D	-ath	for	the t	en years 1880-89, raised by 9°	046 per ce	ent. for	iner	CASE	of po	pula	tion.		

he numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population, as the ten years average could not be correctly ascertained, the average for the eight years 1882-90 has been used.

1080 cases of small-pox only are returned as "raccinated" or as "unvaccinated" which are so certified by registered medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered tioner, the case is returned under the heading "no statement." se ovidence at inquests is often insufficient or canade, the Coroner to certify whether a violent death be the result of accident, murder, aughter, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON. -- Population; Bieths; Deaths from all Causes, and from Small-pox, Measles, Scarlet during the Week ending

							111						duri	ng t	ne V	V eek	end	ing
							The	B DE	ATHS	rogial	ered	in the	we we	skine	lude			
	Caume-			Deal	hs of					Dea	the fr	om				1		
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Birthe.	Total DEATHS.	Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON · ·	3,815,704	2480	1481	423	284	-	100	13	21	57		6	2	85	55	96	310	14
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN ASTLUM HOS- PITALS OUTSIDE REGISTRATION LORDON WEST DISTRICTS	669,638 905,947 182,288 692,738 1,365,148	826 595 149 482 928	272 306 90 294 519	70 80 24 96 153	62 50 18 53 101	-	29 22 2 10 37	8 7 - 8	7 7 5 2	8 . 16 . 3 . 11 . 19 .	-	1 2 - 3	1	18 17 7 18 30	10 9 8 12 16	20 14 12 25 25	62 63 36 32 77	1 8 - 1 9 -
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 87380	37 8	24 12	7	6 3	-	2 -	-	:	1	-	ī	-		2 8	8	3 7	-
Rensington Town Ww - W.M. & C. St. Peter Hemmersmith - W.M.	190141 48010 7599	59 12 6	9	13 2	10 2	i	8	1 1	1	1 -				6	1	1	10	-
St. Paul Hammersmith H W.M. & G.J. Fulham Www W.M. & C.	64840 42900	42 49	88 84	9	7 5	-	8	3	ĩ	2 1	-		Ē	1 5	1 -	1 2	1 6	-
Chelsea North-west WHHHHH C. C. Chelsea North-east	30396 24925 32807	10 15 23	15 14 12	5 3 5	2 4 2	-	1		1		-	1 1 1		1	1 -	1 -	9 -	-
May Fair WW G.J. Belgrave WHHH C. St. John Westminster HHH - C. St. Margaret Westminster H	80353 59220 35496 24679	3 25 20 9	10 34 9 5	2 9 2 -	7 8 9 2	1111	2 1 1	1111	2 -	1 1 - 0	1111	1111	1	2 1 -	2 -	1 2 2	9 11 1	
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	9 4	8	2	2 -	-	-	-	1 -	2	-	-	-		-	-	-	-
All Souls Marylebone HHHHH W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. St. John Marylebone H - W.M. Hampstead WewlHHH N.R. & W.M. Regent's Park Paneras H - W.M. Tottenham-court wHHHHN R.&W.M. Totgr's lnn Lane HHH - N.R. & W.M.	26759 14891 24809 21118 83700 33638 45452 89115 27729 30247	7 2 10 26 17 21 22 24 11	8 11 15 11 12 19 8	1 1 1 4 1 5 3 2	1 1 2 1 1 1 3		1448	1 1 1 1	1	1 1 2 1 2 1		111		111	1 1 2 1	1 1 1 1 1 2 1	3 	
Somers Town H N.R. Camden Town WH N.R. Kentish Town W N.R. Upper Holloway WWwH - N.R.	34369 17811 87487 67946	27 9 65 73	11 9 30 29	1 14 7	1 8 2 9		1	111	1 -	2 -		111		2 1	1	2 -	3 5 1	3
Islington South-west HII - N.R. Islington South-east - N.R. Highbury H N.R.	100976 61895 52048	65 31 32	25 24 16	9 6 2	6 5		2	E 1 1 1	1	4 1		Ē	-	1 -	1 - 2	1 8	16	-
Stoke Newington H - N.R. Stamford Hill E.L. West Hackney H N.R. Hackney Weiwith - E.L. &N.R. South Hackney E.L.	92781 9277 87610 76911 39683	15 6 83 58 29	4 10 86 13	4 8 5	3 1 2 2 2	11111	1 50 50 1	- 6 -	11141	111	11111		11111	2 3 2	11111	11111	- 2 15	
St. George Bloomsbury N.R. St. Glies South WH N.R.	16681 14864	7 6	2 10	2	1 2	-	-	-	-	H	-	-	-	-	1	1	-	
St. Giles North N.R. St. Martin-in-the-Fields HH N R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	13887 17508 7515 8559	7 4 1 4	8 - 5	2 -	1		1 -		11111			11 11		1	3	3	4 - 5 - 9	1
$\begin{array}{llllllllllllllllllllllllllllllllllll$	18671 10706 6588 17516 19281 14773 17506 11541 18628 9217 7468	11 4 2 6 12 16 11 13 21 7 7	6 8 3 1 7 5 6 2 2 1 1 1	1 1 2 1 2 4 3 1	01811111111		1							1 1 4	1	1	811	Contraction of
8t, Botolph - - N.E.&E. Cripplegate - - N.E. St. Sepuleire H - - N.E. St. Bride W - - N.E. Allhallows Barking - - N.E. Broad Street H - - N.E.	11174 7198 5858 8896 18666 5652	5 3 - 5 2	3 1 13 1 3 2	1 - 1	2 2		111111		111111	11111				11111	1	2 -	10	

NOTE - The Italic letters placed against the names of the sup-districts denote Public Institutions situated increas, namely: W—Workhouse; if—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving immates from other Districts than that in which it stands, (see note at the toot of next page). The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Gran I Junction Company; W. M. West Middlesex; G. Chelsea; S. Southwark and Vanahall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

, DIPHTHERIA, WILDOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district v. 5th July, 1890.

ay, 5th July, 1890. ·																		
							The	DEA	THS 1	egiste	ered i	n the	Wee	k incl	ude			
	Enume rated			Deat	bs of				1		s fron						2	g _B
REGISTRATION SUB-DISTRICTS.	Population, 1881.	Total BIBTHS.	Total DEATER,	Year of Age.	Persons aged 60 Years & upwds.	Small-poz.	Measles.	Soarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever	Sumple con-	Diarrnas.	Violence.	Laquest Cases.	Deaths in Public Institutions.	Uncertified Causes
EAST DISTRICTS. tch South HL^{0} - N.R. New Town w^{-} - N.R. Old Town - N.R. ston WH - N.R. & E.L.	22848 29937 28036 46276	12 17 17 29	11 19 9 19	4 3 6 5	8 1 5	1111	1111	1111	1 3	2 - 1 1	1111	1111	1	1	3	5 -	1 7 8	1111
Green North H E.L. Green South E.L. Green East WHL* - E.L.	51157 34399 41405	30 24 31	28 6 12	13 3 4	3 - 5		1	111	1 1 1	2 - 1				2 -		1	3	-
Ids E.L. & N.R. Id New Town W - E.L. Appel Church H E.L. & N.R. An's Fields E.L. N.R. & E.L.	22585 15478 17490 9718 6103	16 25 13 6 6	10 28 - 3	3 2 9 -	2 2		2 1 -		11111	1		1111		1	- 1 20 1 1	4	6 23 -	
rge's, North E.L. n, St. George East W - E.L.	88747 8410 10395	22 3 8	19 12 15	10 1	3	1 1	2		-	1 -	7 - 7	-		8 - 2	1	2 -	9	
H E.L. & N.R E.L.	16107 82041 87960	13 27 59	8 7 8	4 2 3	2 2		1 1 1		-	- 1	-	-	-	1 -	1 1 1		1 1 1	-
nd Old Town West H - E.L. and Old Town East $WwwH$ - E.L. by $wwwH$ E.L. WWH E.L.	87653 37074 64359 85077	10 48 39	25 12 28 11	3 4 8 2	9 3 4 3	1 1 1 1	2 -	1111	1 1 1	1			1 1 1 1	1 1 1	1 4 2	2 - 6 3	1 12 -	1
SOUTH DISTRICTS. hurch Southwark WH L. & S. lour Southwark - S. & L. cad 8. & L. h-road WH - 8. & L. L. & S. Newington - S. & L. y Newington - L. & S. L. & S.	18663 14999 21381 15953 21313 26672 59555 21623	5 8 12 16 17 15 44 18	3 8 7 10 10 5 23 16	1 2 7 3 7 7	1 1 2 3 5		1 1 2 -	111111	1111111	1 - 1	111111		FILLIALE	1111	1	2 2 2 1	2	1 - 1
re WH	11956 16300 15669 54683 86024	7 6 15 26 29	17 5 7 25 17	2 1 6 4	5 - 2 3 4		- 123	1111	1111	1 - 2		1	1111	1	1 1 1	1 - 2 1	13 2 5	1
00-road 1st H L, & S. 00-road 2nd H L, & S. th Church 1st H - L, & S. th Church 2nd WW - L, & S. gton 1st S. & L. gton 2nd S. & L. 1 500 L, & S. d W, L	15195 16351 19876 39859 45232 35882 62837 19017	11 30 11 25 31 26 76 13	4 8 13 24 11 11 15 4	1 3 8 3 1 4	2 - 20254 -	14111111	11441	1111111	6111111	1 14 1 14 1 14 1		1111111	11111111	2 2	1 11 1 - 1 -	1	1 13	1 1 -
attersea	54675 52587 36380 28004 18235 25553	48 55 23 29 12 29	30 36 7 13 2	18 14 3 3 - 4	6 4 - 4 - 1	11111	6 3 - 1	111111	1	2 1 1 1		1,11111	111111	6 1 -	1 2 1 1 -	1 2 1 -	4	1
h L. & S. rwell WwL^*L^* - S. & L. m W S., L., & K. rgs Camberwell L. & S.	5590 59104 71089 50810	42 59 37	32 20 13	2 4 6	11 4 2	1111	1	1	1111	1	1111	1	1111	1 3	1 -	1 -	16	1
d Deptford *** - K. bolas Deptford K. rich West H K. rich East WHH - K.	76752 7901 21972 34603	52 2 14 24	32 6 12	15 - 3 3	2 2 5	1111	1	2 -	1 -	2 -	1111	11119		1 -	2 -	1 2 -	2 - 4	
M K. am WH K. am H L.	5048 21559 19865 26076	2 9 18 12	1 4 6 10	1 - 3	1 2	1111		1111	1111	1				i	1111	-	i.	1 1 1 -
n HII K. ich Dockyard K. ich Arsenal HH - K. ead, West H K. ead, East W K.	10930 17617 19043 14009 19241	12 5 11 9 33	7 4 9 1 12	2 1 1 - 3	1 1 1 1 4	11111		1111	11111	1	11111				- 1	2	2 - 4	11111
olitan Asylum Hospitals: tford w schmore Hill w	-	-	- 1	- 1	-	-	-	-		-	-		-	-	- 1	-	-	-

Clowing Workhouse Establishments the indicates in the above Table of w (see note at foot of preceding page) :-

ylabone Infirmary in Kensington Town sub-district, and London Sick Asylum in Tottenham Court suc-district, on Infirmary in Upper Holloway sub-district, and City Workhouse Hoxton New Town sub-district, Hoxton New Town Eastern sub-district, and City Mile End Old Town Eastern sub-district, and Bromley sub-district, and Bromley sub-district.

where we are not of preceding page):

Stepping Worknows in Bromley sub-district.

Poplar & Stepping Sick Asylum

Westminster Union Industrial School in West Batterses sub-district,

St. Saviour's Infirmary in Camberwell sub-district.

Metropolitica Asylum District Hospitals in Full and, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.

Strand and Holborn Workhouses outside Registration London.

TABLE 6 -LONDON .- OUTER RING. - Area; Population; Births and Deaths registered during to Week ending Saturday, 5th July, 1890.

			prv. aprophilipat, communicat	VV I	eek er	iginā	Satu	rday,	o III c	July,	1090				ware contact		. 5
Regis-		Area			To the second se	1			The D	EATH9	regist	ered is	n the	Week i	nelude		8
ration	,	in Acres,	Enume-		The state of the s	Den	ths of				Death	s fron	1				1
District	REGISTRATION	inclu-	rated	is.	HS.	-	60 ds.		1	1	1	gà.	1	1 .	1		lio
Sub-	SUB-DISTRICTS.	Tidal	Popu-	BIRTHS	DEATHS	under of Age.	aged k upwe			Ver.		Whooping-cough				Inquest Cases.	Deaths in Public
district Num-		Water	1881,	BI	D	r of	118 A	xod-	OH.	t Fe	herie	ping	1.	1096.	.00	at Co	s in
bers.	;	Fore-				Infants Year	Persons Years &	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	рооц.	Fever.	Diarrhos.	Violenca.	dae	lust
			-			-	A.	02	7	- ž	-	-	54	0	_ A	=	0
LO	DON - OUTER RING	370,924	950,957	741	339	86	82	100	11	1	8	16	4	7	7	17	44
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21113 10710	1/2	9	1	4	-	-	-	-	_	-		1	1	6
87:1	Godstone (part of) * -	2754	1235	1	-	-	-	-	-	_	-	_	1		-		_'
38:1	Croydon Ww L -	20851	101241	60	40	11	10	-	2	-	-	-		1	1-1	2	9
2	Mitcham w †	11697	17932	8	3	-	2		1	-	-	-			21	-	
39:1	Wimbledon HHH -	8220	15950	23 23	3	1 2	- 2	-	1	7	-	-	-	-	-	1	-
3	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	8	8	1	-	-	-	-	-	-	-	-	-	-	1 ~
4	Hampton H	4573	13539	4	2	-	-	-	-	-		-	-	-	-	-	-
40:1	Richmond WH	2272	21302	10	4	2	1	-	-	-	-	1	44	-	-	1	3
2 41:1	Mortlake Bromley (pt. of) * HH	2941 15669	12831 81142	10	3 12	2	1 3	-	-		1	1	_	-	-	1 2	- 1
2	Chishrst(pt.of)* WIIH	14307	15814	6	3	1	1		- 1	-	-	_	-	-	-	-	-
42:1	Bexley H ~	18487	24134	19	13	2	8	-	-	-	-	-	-	-	-	_	-
2	Dartford (Ww, pts. of)*;			-	. 2	-	2	-		-	-	-	-	-	0	-	2
124:1	Sunbury w	11055	11635 12089	7 5	5	-	3	-	-	- {		-	-	-	- 1	1	-
125:1	Staines W Hillingdon WHH -	6029	10802	10	1	1	2	_							1	1	1
3	Uxbridge	6178	5225	4	2	1	1	-	-	-	-	-	-	-	1	1	+ 1
8	Hayes wHL	14587	11523	6	1	-	-	-	-	}	-	-	-		-	-	-
126:1	Isleworth WHH -	7008 2477	22727 12479	10	. 4	1	1	-	-	-	-	-	-	-		1	
8	Twickenham H Brentford HL	4345	27649	25	15	4	1	-	1	1		-	_	-	2	2	-
4	Chiswick	1340	15975	12	3	1	-	-	-	-	-	-		-	-	-	-
127:1	Acton wH	6083	22876 12796	6	- 1	1	1	_	-	-	-	-	-	-	-	-	*,
2	Harrow H Edgware H	13809 6994	3749	9	1 1	-	1	-	_	-	-	-	_	-	-	3	-
8	Willesden	4383	27453	40	18	5	5 .	-	-	-]	- [. 1	-		-	2	-
1000	Henden W :	8382	10484	9	13	2	5	-	1	-	-		-	1	-	-	7
137:1	Bushey Watford (W, pt. of)* -	9331	6621	4	1	-	1	_	-	1	_		-	1	-	-	-
128:1	South Min.ms	15599	6391	5	2	_	1	-		-	- 1	-	_	_	1	1	
2	Barnet "	5488	10002	6	1 2	-	-	-	-	-			-	-	-	-	-
135 3 2	Finchley HL	4638 2306	17615	14	5	-	2	-	-	- 1	-]	1	-	**	-	-	8
129:1	Hatfield (part of) * - Hornsey H	3039	583 37078	29	13	2	-		-	-		-	-	-	-	-	1
2	Tottenham H	4642	49456	51	29	6	3	-	1 4	-	1	4	3	1			1
3	Edmonton Ww -	7488	23463	19	9	1	-	-	-	-	-	3	-	-	-	-	1
5	Enfield WH Waltham Abbey	12653 11017	19194 5868	17	3	1	1	-	-	-	-	-	-	-	-	*	-
6	Cheshunt	8480	7785	2	3	2	-	-	-	-		-	-	-	-	-	
186:1	Stratford	882	38696	29	7	2	1		-	-	1		-	1	-	40	-
3	West Ham wwH - East Ham ww	4055 8296	90347 10703	124	38	15	4	-	-	-	2	2	1	1	1	1	-
4	Leyton WwL	4372	32430	26	26	7	8	-	-	-	1	-1	-	1	-		10
107.3	Walthamstow H -	6530	28869	29	8	2	.1	-	~	-	-	1	-	-	-	-,	-
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	6	2	-	1		- 1	-	1	-	-	-	~	~	
189:1	Romford (part of) * W	6730	3111		1	_								-		-	
2		8493	7645	4	4	1	3										18 8
8	Barking Town	4127	9203	5	5	2	1	-	-	-	1	- 1	~		- 1	-	- 1

The parts of sub-districts included within that pertion of the Metropolitan Police District which forms the Outer Ring are as follows *The parts of sub-districts included within that period of the Mecropolitan Pelice District where forms the Outer Ring are as follow 20: 2, Epseum sub-district, except the parishes of Assistant and Headiey (pop. 1955); 37: 1, the parishes of Warlineham and Parley in Goddones district; 39: 3, Esher sub-district, except the parish of Esner (pop. 1955); 41: 1, Bromley sub-district, except use parishes of Chelsfield (pop. 1977); 135: 1, the parish of Northaw in Habit sub-districtly, 137: 1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375): 189: 1, the parish of Northaw in Habit also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 187: 2, Watford, and 187: 2, Epping, sub-districts.

**Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

**Exclusive of deaths of London residents in Metropolitan Asylum Hospital, See Table 5).

BLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).- Dearis and Rate of MORTALITY during the Week ending Saturday, 5th July, 1890.

	Area			LRATE			The D	ATE	s regi	istere	d in	he W	eek	inolu	le	
REATER	in Acres, including	Estimated Population.		RTALITY 00 living.	DEATHS	Deat	ths of				Death	ıs fro	m			ublic
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria	Whooping-	Fever.	Districts.	Violence.	Deaths in Pu
Cols.	1.	2.	3,	4.	5.	6.	7.	8.	9.		1			115.		
TER LONDON	448,334	5,758,500	16.5	3.0	1820	509	365		111		29	73	12	92	62	354
ER LONDON . TER RING .	77,410 370,924	4,421,661 1,386,839	17°5 13°2	3·3 1·8	1481 339	423 83	284 82		100	13	21	57	8	85	£5 7	310

s.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal *522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 Foreign Cities, having an estimated Aggregate Population of 17,249,308 Persons.

:	POPULATION	DA	W 700		-	ANNUAL	Di	EATHS	FROM	1 PRIN	ES.	ZYMC	
ITIES.	(enumerated or estimated).	OF RE	TURN.	BIRTHS. Exclusive	DEATHS. of Stillborn.	DEATH- BATE per 1000 living.	Small-pox.	liensles.	Scarlet Fever.	Diphtheria.	Whooping-	Pever.	Diarrhoeal Diseases.
JTTA	33,219	May	17	_	_	_	1 -	-	-	_	-	1 -	TCD00400
AY '+ -	773,196	June	10	257	316	17.7	2	6	2	P	2	115	14
AS	398,777	May	23	-	\ a .	445	-	200	_	_	-	-	_
	2,260,945	June	28	1088	865	19.9	1	61	12	33*	13	9	62
BRLS	477,288	9	28	259	171	19.5	1	1	1	00"	2	3	17
Faubourgs.)						100		1	1		2	0	17
ERDAM -	406,302	19	28	250	. 160	20.2		6	~	2		2	2
RRDAM -	203,486	23	28	133	73	18.6		-	~	-	i	***	1
HAGUE -	156,497	29	28	119	58	- 19*3	-	2	-	1	***	-	1
HAGEN -	312,387	33	28	173	130	21.7		12	3	7	2	_	10
HOLM -	236,350	99	21	180	79	17.4	-	-	-5	4*	1		11
TIANIA -	143,300	93	28	48	59	21.4		~		5	١	-	11
TERSBURG	924,466	"	21	-	454	25*6 .	1	32	21	7	2	12	54
M = =	1,526,887	23	14	822	662	22.3	-	22	5	31	16	2	116
URG(State)	£75,276	13	21	456	257	23.3		11	2	6*	5	3	30
DEN	269,250	22	21	148	85	16.4	-	2	-	2*	-	-	4
LAU	32 4,400	99	28	247	176	28.5	-	- 1	5	4*		2	17
CH	298,000	22	28	235	186	32.2	-	4	- 1	11*	2	-	40
FA	822,176	33	28	505	362	22.9	1	20	1	8	4	1	28
UR = -	\$14,425	9.9	28	-	184	39.5	2	15	4	2	3	3	5
-Резтн -	463,017	29	21	296	277	31.1	-	3	2	16	-	1	52
TE	160,092	1.99	28	107	68	22.1	-		-	3*	-	. 1	7
	418,217	May	81	200	146	19.2		6	1	4	3	9+	11
(10 days)	314.827	June	10	242	159	18.9	-	1	-	. 1	3	4	24
m 1	156.513	21	14	92	64	21.3	1	-	1	1	- [3.	6
	374,838	13	19	, =			-	-	-	-	-	-	-
ANDRIA -	231,396	13	19	~	-	-	-	-	-		-	-	-
YORK -	1,595,547	30	14	-	695	22.4	-	25	4	24	9	2	64
KLYH .	859,612	**	14	-	338	20.2	-	4	6	27	3	2	20
DELPHIA -	1,064,277	35	14	- 1	482	23.6	-	3	1	9	2	11	54
MORE -	500,843	30	21		254	26.4	-	2	1	. 2	-	4	79
ORLEANS -	254,000	May	24	-	153	31.4	-	3		1	1	3	22
			بالبيب				THE REAL PROPERTY.	-		OR SERVICE OF THE	SHOWING THE RE	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IN COLUMN TO THE PERSON NAMED IN COLUMN TWO IN COL	-

^{*} Including deaths from croup. † Including 6 from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROTAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 5TH JULY, 1890. [Under the Superintendence of the Astronomer Royal.]

ļ									20	2000	70109				07001						
١		Ozone.		1.8	67	0.0	0.0	0.0	0.0	0.0	1.4	27	l; no	ssion snion ding	mum e sir uced	aphic	and	and the	The and	show o the	78.in.
	Rain			in. 00.00	0.31	0.10	0.01	0.05	0.10	1.17	Sum 1.77	2.6	vel of the sea; no-	mometer a discus arometer, mean rea	ings of the maximum apperature of the six umidity are deduced by Glaisher's Hygro-	photogra tal moves	ates "higher," and of two feet below	Deptford, ns from	ometer.	polying t	selt to 29.
	The same of the sa		Departure from Average of 16 Years.	Miles. - 25	+ 54	66 -	1 58	+ 40	- 81	+213	Sum + 52	503	n level o	oulb ther seed from or the ba	temperature of functions of humidity are as by Glaisher's	n of the horizon	licates "	rket at Dastructio	ig Electricity is lerute; s	ood as a	of the we
		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	306	153	193	299	191	25 25 88	Sum 1801	24	the meand and sh. P.	the wet book to the second the se	the corrected mean of the readings of the maximum the mean daily value of temperature of the an temperature and degree of humidity are deduced and wet bulb thermometers by chaisher's Hyaro.	discussion that of	at a dep	attle Ma under in	m. moc	underst	from 29.61 in. at the beginning of the
	Wind as deduced from Anemometers.		Mean of 24 o	lbs.	1.0	0.0	0.0	0.0	0.0	0.1		23	above ea leve	sorrect rs end rs. W	the corrected mean of the the mean daily value of temperature and degree and wet bulb thermomet	om a com und the	eign Carket,	weak;	e to be	the be	
	Anem	Pressure on the Square Foot.	Least, bo	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0		22	ce to s	ometer on of c ity year	octed n n dail ture a bulb	ived fr	ne in n re susp	ne For	omson 70; w.	day.	lin.at
١	ed fron	Pressu	Great.	lbs. I	2.5	1.0	0.5	0.7	0.0	4.4	* ·	16	ber 18 oredu	therm plicati	corre mpera d wet	ars en	be born	of the of the	egativ	n each	m 29.6
	s deduc		Gre								1	- 2	rome ings to	bulb the appropries the	ed the	is the	will k	Oler	N. E	al obs	
	Wind a	Osler's General Direction.	P.M.	SW. & SSW.	SSW. SW. &	WSW. &]	SW.	WNW. &	SW. & NE	N. & NW	NW.	20	The height of the cistern of the barometer is 139 feet above the mean level of correction has been applied to the readings to reduce to sea level. Observations are usually taken at \$1h. A.A.; noon; 3h. P.M.; and \$h. P.M. The n	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1886 for the thermometers. With the corrected mean reading during the twenty years ending 1886 for the thermometers. With the corrected mean reading	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of the martine and the size of the mass of the mass of the mass of the mass of the mass of the mass of the mean daily values of the dry and wer bulb thermometers by Ghaisher's Hyaro.	metrical Tables. The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1803, and that of horizontal movement of the air from a discussion of the anenometric records for the 18 years ending 1873.	In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," — "tomer," than the average. The thermometers in the water of the Thames are suspended at a depth of two feet be	the surface, at the end of one of the jetties of the Foreign Cattle Market at Deption, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.	The record of Electrocity is derived from Thomson's soli-registering Electrometer. The grantois employed are:k, positive; N. negative; w. weak; im noderute; s. smong; and v. natiable.	The humbers in communities, derived from the compromesses constitute this show the aggregate duration of bright smishine on each day. The results of all the neteconjugical observations are to be understood as applying to the	The reading of the parometer incrensed
		neral D			-		NW.	VSW.	'V.	% N.	W. &		stern lied to	aily va ords n	neter i meter n daily ralues	ture o	nns 9 greage, the w	of one	:-P.	of bri	romete
at.		Ge	A.M.	W. & NW.	S. & SSE.	SW. WSW	N. & NNW.	SW. & WSW.	WSW.	NNE. &	25	19	the cisen app	he bard nean di hic rec sy year	hermor thermore e mea	empera Greens discus	In reading the columns 9 a "lower," than the average. The thermometers in the ws	the surface, at the end of one their readings are registered Corporation of London.	ed are	ration ration	the ba
onomer koyat.		Of the Water of the Thames at Deptford.	Low-	0.29	9.79	62.6	9.79	62.6	62.3	9.19	62.4	18	rht of has be	into r tograp tograp e twent	bulb t mum i). Th mean	metrical Tables. The average to records made at	ing th	e, at the	cord of	gate di	ding of
	TEMPERATURE.	Of the Tat Dep	High-	63.4	63.6	1.89	65.0	63.5	62.6	62.5	63.0	17	he heigection	readin verted he pho ing the	of the dry bul and minimus (column 8). from the me	he ave	lower he the	surfacir reaciporati	symbols en	aggre	the rea
16 AST	MPER		Lowest on the Grass.	47.3	45.0	42.4	42.1	0.07	34.3	0.84	49.7	16	100	eye con of t					S. V	t.	10
2 60 93	TE	Of Radiation.	High- est in Sun's Rays.	120.9	0.77	0.031	123.0	136.2	143.3	8.12	9.611	15			h. A.M.	and 9h. A.M. thunderstorm	hunder	A.M. and Cloudless	M., and	oughour in the	
enaen		Degree of Hu- midity (Satu-	equals 100).	80 : 1	97 1	88 1	78 1	75 1	78 1	93	84 1	14	**		ween 4	nd 9l thunde	istant 1		lh, P.	lly three	day.
Under the Superintendence of the Ast	neen		Least.	0.0	0.0	0.0	8.0	1.0	0.0	0.0	8.0.	13	GENERAL REMARKS		ain fell between 4h.	Sb. light	dy. D.	generally. Showery between 11h. Distant thunder about 24h. F.M.	st after	. Rain fell heavily throughout occasional showers fell in the	A very cold day.
the Du	ce betw	Air Temperat ind Dew Point Temperature.	Great.	17.5	- T	6.11	18.2	9.91	21.5	0.8	14.4	12	REN			between	about	ery be	overca	tain fe	
Under	Differen	the Air Temperature and Dew Point Temperature.	Mean Gaily value.	6.3	8.0	3.2	7.0	7.8	6.9	2.0	6.5	11	FERAI	cloudy.	rning, a	b .	partial shower	Show	orning;	generally. R	wind.
		Of the the line line	Mean Adaily of walue.	8.8	54.5	2.19	55.3	8.6%	2.67	0.69	8.02	10	GEN	trtially	in mo	shows er lh.	erally;	nerally.	e in m	gener ing; a	ISLIST
		974	parture from Average vof 20 years.	6.4	6.4	6.4	63	00	8.4	10.2	100	6		Fine; partially cloudy.	Overcast in morning, mand noon; fine and partial	Variable. Gloom: Occasional showers, shortly after 1h. P.M.	Fine generally; partially cloudy. Distant thunder in afternoon. A shower about 5h. P.M.	Fine ge	Very fine in morning; overcast after lh, P.M., rain fell occasionally after 4h, P.M.	Overcast g	ternoon.
	LURE.		Mean pa daily Au	55.1	55.3	55.5	59.3	27.6	26.6	- 0.19	1.22	00	ove on, ra.								
	TEMPERATU	Of the Air.	Daily Me da Bange, val		10	17.8 55	20.5	19.3 57	25.4 56	7.6 51	0	1	Sun above Horizon,	16.2	16.5	16.2	16.5	16.4	₹.91	16.4	Sum
	TEN	Of th		1 19.1	.91 9.	47.3 17					.6 18	9	Registered Sunshine, in hours.	60	6.2	7.0	60	2.9	ص بر	0 0	Sum
	ı		L. est.	2 48.1	.1 49.		1 50.9	.3 50.0	9 45.5	7 49.1	6 48	1.20	Reg Sun in h	-				** 1	٠,-	in ,	
		50	High-	67.2	1.99 88	1.29 81	1.11	60.3	6.04 8	7.92 7	99 99	1	TY.		A:	morning; r. P. till P. after-		orning after-	ly, with	ernoon Lafter	
	BARO-	Mean daily reading	rected and re- duced to 32° Fahren- helt).	in. 29.699	29.083	29.218	29.644	29.622	29.298	29.397	29.466	4	ELECTRICITY. (For explanation of symbols, see Note.)	P. throughout	w. P. generally	and ", w. P	1	in in in	general n evenin	till aft	
		Phases	Moon.	:			Greatest Dec. S.	Full. Perigee.	:	:	:	3	(For e	w.P.	w.P.	m. N. and evening; w.	wards.	w. P. in morning; v. P. and w. N. after- wards,	v. P. generally, m. N. in evening.	m. N. till afternoon; v. P. and w. N. after-	wards.
		-	O.M.	63		-	e1	80	41	10		1:		- 29	8	p-1	61	00	4	, ,	
		1890.	Монти ами Дат.	JUNE.	OM.	JULY.	ED.	TUBB	ĭ.	ej.	EANS	o. of Col	DATE.	IDAY .		EBDAY.	DNESDAY	TRSDAY.	DAY .	URDAY .	

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 28. 1890. Vol. LI.] WEEK ENDING SATURDAY, JULY 12.

[Price 11d.

General Register Office, Somerset House, 14th July, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.7 per 1000 of their aggregate population. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks ending		Weeks ending
Towns.	June June July July 21. 28. 5. 12.	4 4	June June July July 21. 28. 5. 12.
Birkenhead	14.9 17.4 18.4 18.	Liverpool	21.9 18.6 16.7 22.8
Birmingham	18.6 19.1 16.9 19.	London	16.4 15.9 17.5 17.4
Blackburn -	18.1 22.8 14.3 18.	Manchester -	$ 29 \cdot 0 27 \cdot 1 25 \cdot 3 23 \cdot 1$
Bolton -	23.9 18.9 25.2 24.	Newcastle-on-Tyne	
Bradford -	18.4 10.6 20.2 13.	Norwich	20.2 19.1 12.6 10.4
Brighton -	11.8 14.8 6.7 16.	Nottingham -	12.6 11.3 14.1 12.8
Bristol -	13.7 13.2 12.1 11.	Oldham	19.2 16.7 16.3 19.9
Cardiff -	14.3 10.7 21.8 13.	Plymouth	22.5 14.6 17.2 21.8
Derby : -	15.5 14.5 14.5 17.	Portsmouth -	18.6 12.4 12.8 13.1
Halifax -	19.1 15.9 18.4 15.	Preston	16.9 22.3 21.3 18.8
Huddersfield	18.8 19.9 14.4 14.	Salford	19.4 20.4 17.8 20.0
Hull	15.9 14.6 14.6 11.	Sheffield	24 · 4 19 · 6 16 · 1 16 · 9
Leeds -	14.9 19.2 20.4 18.	Sunderland -	20.2 17.2 17.6 19.9
Leicester -	14.9 14.5 16.6 19.	Wolverhampton -	16.3 17.5 13.8 12.5

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.6 in Derby, 1.7 in Birmingham, 2.1 in Brighton, and 3.3 in Plymouth; from scarlet fever, 1.0 in Birmingham, 1.1 in Manchester, and 1.7 in Liverpool; from whooping-cough, 1.5 in Salford, 2.0 in Birkenhead, and 2.6 in Derby; and from diarrhæa, 5.7 in Leicester. The rate from "fever" did not reach 1.0 per 1000 in any of the twenty-eight towns. The 39 deaths from diphtheria included 22 in London, 4 in Liverpool, 4 in Salford, 3 in Manchester, 2 in Plymouth, and 2 in Birmingham. No death from small-pox was recorded in any of the twenty-eight towns.

LONDON.

In LONDON 2472 BIRTHS and 1471 DEATHS were registered. Allowing for increase of population, the births were 234, and the deaths 290, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15.9 and 17.5 in the two previous weeks, was 17.4 last week.

The 1471 deaths included 99 from measles, 20 from scarlet fever, 22 from diphtheria, 66 from whooping-cough, 9 from enteric fever, 107 from diarrhea and dysentery, and 4 from cholera, and not one from small-pox, typhus, or ill-defined forms of fever; thus, 327 deaths were referred to these diseases, being 127 below

the corrected average weekly number.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

No death from *small-pox* was registered, the corrected weekly average being 10. The deaths from *measles*, which had been practically stationary at 100 in the four preceding weeks, were 99 last week, exceeding the corrected average by 43. The fatal cases of *scarlet fever*, which had numbered 7 and 13 in the two previous weeks, further increased last week to 20, being, however, 9 below the corrected average. The 22 deaths from *diphtheria* exceeded the corrected average by 4, and the number in the previous week by one. The deaths from *whooping-cough*, which had been 52 and 57 in the two preceding weeks, further increased last week to 66, and exceeded the corrected average by 13. The deaths referred to *enteric fever*, which had been 9 and 6 in the two previous weeks, increased again to 9 last week, but were 4 below the corrected average. The 107 deaths attributed to *'diarrhæa* and *dysentery*, though showing a considerable further increase on the numbers in recent weeks, were 154 below the corrected average. The death of an infant was referred to "cholera infantum," that of a female, aged 4 years, to "cholera," and two deaths of adults to "English cholera."

GREATER LONDON.

In Greater London 3281 births and 1783 deaths were registered, corresponding to annual rates of 29.7 and 16.1 per 1000 of the estimated population. In the Outer Ring 23 deaths from diarrhea, 15 from measles, and 7 from whooping-cough were recorded. The deaths from diarrhea included 8 in the district of West Ham and 7 in that of Edmonton; 5 deaths from measles were returned in Tottenham and 3 in Willesden sub-districts; and 2 deaths from diphtheria occurred in Leyton sub-district.

DEATHS BELONGING to the SEVERAL SANITARY AREAS of REGISTRATION LONDON, registered in the 13 weeks ending on 28th June, 1890.

			De	ths fro	m Prin	cipal Z	ymotic	Diseas			In-	ths to
SANITARY AREAS.	Total Deaths from all Causes.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhea.	Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1000 Births registered.
REGISTRATION LONDON WEST.	18,696	. 2	982	165	272	1050	в	78	7	210	4341	137
Paddington	475 713 357 389 451 323 316 119	11111111	41 94 15 40 20 23 8	1 6 6 5 2 1	9 5 8 5 6 8 1	23 40 15 15 16 24 15 3	11111111	1 2 2 3 2 -	1	6 12 7 8 8 1 4	102 178 92 98 93 73 54 25	146 184 182 135 133 185 158 172
North. Marylebone	744 180 1027 1359 916	1	75 8 34 114 39	3 5 5 13 17	9 8 23 17 20	27 5 40 78 77		1 - 2 7 6	2 - - 2 1	7 12 22 11	139 183 224 326 211	124 94 130 142 131
CENTRAL. St. Giles	224 66 155 184 307 277 214	1 4 1 4 1 1 1	8 4 8 5 13 5 3	1 - 4 8 2	2 1 2 2 4 2 5	8 3 4 10 37 31 7		2 1 - 1 - 1 -		3 3 4 4 1	41 11 31 41 86 62 29	138 212 209 192 159 132 151
EAST, Shoreditch	728 606 406 321 305 472 814		56 13 14 11 5	6 6 4 1 2 9	8 20 7 6 8 11 18	76 33 24 17 33 50 42		1 1 1 2 2	1	5 7 10 6 3 8	175 148 111 89 76 118 193	166 125 149 186 180 121
South. St. Saviour Southwark St. George Southwark St. George Southwark St. Olave Southwark Bermondsey Itotherhithe Lambeth Bittejsea Wanisworth Camberwell Creenwich Lowisham (excluding Penge) Flumstead	141 309 545 61 446 208 1246 644 508 819 662 187 169 297	1	8 12 25 23 18 59 63 25 19 26	4 4 1 5 1 12 3 2 11 5	1 3 3 3 6 16 5 1 4	6 9 22 3 18 16 42 39 37 40 30 7	1 2 - 1 1 1	1 2 1 6 9 4 6 2		2 1 7 8 6 10 6 2 1	25 74 135 96 47 288 176 120 196 169 38	127 149 139 147 134 143 128 142 111 1 0 94 121 106

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 30 that occurred outside that area in the Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Asylums Hospitals, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand, the deaths of 351 non-residents who died in Public Institutions inside London have been excluded from the Table.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.67 ins.; the lowest reading was 29.35 ins. on Tuesday morning, and the highest 29.81 ins. on Thursday afternoon and on Friday evening. The mean temperature of the air was 55°·7, and 6°·7 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency on three days amounting to from 8 °7 to 10°·0. The direction of the wind was variable, and the horizontal movement of the air averaged 10·7 miles per hour, which was 1·0 mile above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0°86 of an inch. The duration of registered bright sunshine in the week was 17·9 hours, against 17·6 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of June 1890; according to their returns 185,376,080 gallons or 842,248 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 243 gallons (110·4 decalitres), rather more than a ton by weight, to each house, and (assuming 7·8 persons to each house) 31·2 gallons (14·2 decalitres) to each person, against 30·8 gallons during June 1889.

COMPANIES.	Number of suppli	Houses, &c.	Average daily Supply of Water in Gallons.				
COMI ANAMO.	JUNE.	JUNE.	JUNÉ.	JUNE.			
	1889.	1890.	1889.	1890.			
TOTAL SUPPLY	751,877	762,792	180,877,584	185,376,080			
From Thames	362,662	368,205	91,461,781	92,923,757			
	389,215	394,587	89,415,803	92,452,323			
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	34,967	35,415	10,215,697	11,207,712			
	71,876	73,217	17,168,359	17,340,328			
	111,112	112,240	25,503,716	25,968,032			
	55,497	56,213	19,104,609	19,899,785			
	89,210	91,120	19,469,400	18,507,900			
LEA AND OTHER SOURCES. New River East London Kent	152,369	153,323	33,880,000	35,400,000			
	164,686	167,283	42,227,997	44,222,912			
	72,160	73,981	13,307,806	12,829,411			

Note.—The Return for June 1890, as compared with that for the corresponding month of 1889, shows an increase of 10,915 houses, and of 4,498,496 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATER SUPPLY DURING JUNE.

Water-analysis Laboratory, The Yews, Reigate, 8th July, 1890.

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of June.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0·3, New River 0·7, Tottenham 1·1, Colne Valley 1·2, East London 1·4, Grand Junction 1·8, Chelsea 1·9, Southwark 2·0, West Middlesex 2·1, and Lambeth 2·6.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, in every case, efficiently filtered, and the improved quality which

it has of late exhibited, has been fully maintained.

The water obtained chiefly from the River Lea by the New River and East London Companies was also efficiently filtered, and exhibited a high degree of organic purity, the New River Company's supply being again especially distinguished in this respect.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of great organic purity, that delivered by the Kent Company contained only mere traces of organic matter. These waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the New River, Kent, Colne Valley, and Tottenham

waters were clear and colourless, the remaining six waters clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear and greenish blue in a two-foot tube. Its physical and chemical characters " showed a considerable improvement, and the organic nitrogen was exceptionally low."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little "suspended matter. The hardness was unusually low."

The Registrar General, &c. &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.		
	THAMES.	(June 23rd,)	0										
	Chelsea	Cab Rank, Horse Guards, Whitehall.	16.7	24.90	.089	*021	0	135	*156	1.8	20.0		
	West Middlesex -	June 23rd, Stand-pipe, Riding House- street.	14.6	24.78	•100	•024	0	148	172	1.8	18.6		
	Southwark	{ Cab Rank, Bricklayers Arms, Old Kent-road. }	17:0	25.64	•098	•018	0	•110	•128	1.8	19.4		
Inner Circle.	Grand Junction -	June 23rd, Cab Rank, Uxbridge-road, near Marble Arch.	18.0	24.96	*087	•020	0	.109	•129	1.8	19.1		
Inner	Lambeth	June 23rd, Cab Rank, St. George's- road, Southwark.	17.7	25.26	•123	.028	0	148	•176	1.8	19.4		
	LEA. New River	June 23rd, Cab Rank, Tottenham Court-road.	17:0	28.70	.032	•011	0	203	•214	1.8	20.9		
	East London -	June 23rd, Fire Brigade Station, Commercial-road, E.	17.5	27.50	.064	•017	0	137	154	1.9	20.0		
e)	DEEP WELLS. Kent	June 23rd, Mill Lane, Deptford.	12.7	43.04	.014	.002	0	*407	•412	2.2	29.7		
Circl	Colne Valley	June 28th, Bushey.	_	17.52	*062	•011	•001	*432	*444	2.2	7.6		
Outer Circle.	Tottenham	{ June 27th, Tottenham. }	-	41.72	.053	•013	.050	•027	*081	3.0	24.3		
	poration of Birming- am*	June 4th, 7, Court, Osler-street,	13.9	25.82	•120	•010	*001	*288	•249	1.6	12.7		
Co	rporation of Glasgow+-	{ Loch Katrine Water. }	11.2	2.6	•122	.029	0	.003	.032	•70	0.63		
	Column 1.	2.	3.	4.	5.	6.	7.	8.	.9.	10.	11.		

Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
 Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is be to read thus:—the Chelsea Company's water, collected on the 23rd June, at the Horse Guards cab-rank, had a temperature of 16° 7 C.; 100,000 lbs. of it contained 24 90 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained '089 lb. of carbon and '021 lb. of nitrogen. The above quantity of water also contained no ammonia, and 135 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 156 lb. The above weight of water also contained 1.8 lbs. of chlorine; and 20.0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by altiblying them by 7, and then moving the decimal point one place to the left. The same multiplying them by 7, and then moving the decimal point one place to the left. operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

-	_															_	-											-		
	CITIES	AND BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL. WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	LINEBROOM	ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	SHEFFIELD.	HULL.	SUNDEBLAND.	OADDIDE.	CABLIEF.	EDINBURGH.	DUBLIN.
PAINFALL.		Centi-	uI n	24.	1.30	2.18	2.11	1	1.47	84.0	,	1	1.42	1	1 0.	30 8	,	1	1 1	1	6		₹6.0	1	64.0	1	68.0	,	2.56	1.22
Da re		nebes	ı uı	23.	0.21	0.82	0.83	1	0.58	0.30	ı	1	99.0	1	1 0	3 1	₹,		1 1	1	1	1	0.87		0.31	1	0.32		68.0	0.48
E AIR.	an.	.obsrg	itasU	22.	11.72	13.17	12.33	1	13.28	10.28	8	1	11.11	ı	08.		•			1	1		19.11	1	11.56	1	72.01	-	11.56	11.11
OF THE	Mean	onheit.	F'shr	21.	53.1		24.5	1		50.24	1	1	52.0 1	z	F2 . A.	R	1		8 1	1	1	1	52.9	1 1	8.79		21.3	1		52.0
LATURE	.1	Lower	abeit.	20.	41.0	6.17	46.5	1	18.5	0.17	1	1	42.8	1	17.0	3	1	,	1	i i	ı	ı	0.8%	1 1	20.0		0 1			87.1
TREFERATURE OF THE AIR.	.38	odgiH	Fahrenheit	19.	1.2.1	72.1	0.49	1	. 8.19	6.89	1	1	63.4	1	88.8		1	1	1 1	1	8	1	63.6	1 1	0.79			-		63.2
-	ne neaths	nom saes in .6-12.	Dise	18.	3.5	00 :	0.0	-	9.4		1.7	2.2		1.4.		2.3	9.0	- O	0 7	1.0	9.0	0.0	1.0	3 60	0.1	-	-	0.7	-	0 6.1
Annual Rate per 1000,	to the Week's Deaths	IIA m .assu.e	CE	17.	17.71	17.4	16.4	10.4	8.17	12.2	19.5	6.61	12.8	9.71	22.8	24.3		0.07	1.81	8.81	14.4	2.9	13.9	6.91	11.7	6.61	25.3	12.0	2.91	21.3
	dage.	ofitresn Offices	Cau	16.	52	10 0	- Carriering	1			8	H	-	6.1	1 9	-	-		3 -	4 8	-	6 3		- 5	, H	2		-	town Williams.	15 2
		Distraction of the control of the co		16.	581	821	-1 F		H 4	9	43	10	14	C1 4	37	4	41	91	ے وہ د	0 00	6.1	67	L- 0	2 5	9	4	<u>.</u>	0		45
	-	Inquest Casa mistherin		14.	500	001	4 69	ı	-10	2 24	12	4	10		7 15	03	13	9	23 4	F 67	Н	-	01 0	9 o	0 03	3	00 (P.3	a. :	· 48
nde		Violences		13.	103	90		1			20	1	89	1 0	2 4	03	47	10	27 0	0 67	1	t	1 0	70 P	> ~	•	70 (37	4	20 67
The DEATHS registered in the Week include		rrh 088.	Bia	12.	177	101	1 1	ı	1 -	- 1	4	17		1 0	20 00	03	9.	H (27 0	0 01	-	1	63 :	ۍ _۲	٠,	22	07 (33	-	e н
he We		.10	Est	11	98	0	1 1	ı	1	1 1	63	ı	C3	1	1 1	Н	61	ಣ	8 ;	1	1	4	1	20 C	0 1	1	1 4	r-l	7	- 4:
red in	from	oopi ng-	CO.	10.	112	99	1 4	63	l r	- I	4	1	-	, Or	49 0) 1	`H	Lo I	တ r	- 1	1	1	67	1 <	F 1	ಣ	0.1	3	9	02 8
egister	Deaths from	htheris.	Dipl	9.	39	22	1 1	1	63	l i	67	1	1	1	1 3	* 1	99	4	1	1 1	1	1	ı	ı	i i	H	-	1	ı	9 10
ATEST		flet.	Sear	00	20	20	1 4	1	1	1 1	6	i	Н	1 1	L 00	7 1	00	-	1	1 1	1	1	1		4 6		-	1	F	H 1
he Dr		esjes.	Mea	7.	163	66	ا د	ı	13	1 1	15	1	67	ಣ		9 1	63	-	1	1 1	4	1	4	8 0	5 I	1	ı	1	. 4	20
		.xoq-II.	Sma	6.	1	1	1 1	1	1	1 1	1		1	1	š	1 1	1	1	1	1 1	1	1	1	1	1 1	1	1	1	1	1 1
	eaths of	ons aged Yesra abrawqr	Pers 60 and u	5.	636	288	10	4	10	16	28	13	16	-	F 6	10	32	21	14	01	-10	9	18	21	N 00		15	4	15	30
		ts under ear of Age.	Y 7	4.	924	428	r 0	9 73	00	15	40	31	11	13	12	00 00	29	16	12	16	2 60	61	12	43	7 24	22	30	00	15	21
during	-	-		80	3305	1471 4	39	19	33	20	170	69	09	34	250	268	168	93	56	25 A	26	24	64	126	48	52	7.9	100 100	18	234
Registered during	the Week ending		BIRTHS, DEATHS.	63	2608	2472	11.4	222	44	113	958	86	106	50	59	7.9	252	131	23 1	74	28	39	133	265	138	111	122	80	153	386
-	-	to the middle of the Year 1890.*	-	1,	9,715,559	4,421,661	123,659	142,952	78,780	232,248	46.1 SAB	154.344	244,909	100,871	105,019	615,463	879,437	242,509	146,716	123,558	84,253	82,034	240,515	868,799	213,833	136,506	162,987	210,711	271,185	580,208 358,082
-	Pc	H to		18.	03					· MC	, '		٠		٠		•	•		• •	•		•				8	•		1 6
	CITIES	AND BORUGHS.		Cols.	28 TOWNS	LONDOM .	BRIGHTON .	PORTSMOUTH Norwich .	PLYMOUTH .	BRISTOL . WOLVERHAMPTON	The state of the s	BIRMINGHAM	NOTTINGHAM	DERBY .	BIREENBEAD	LIVERPOOL .	MANCHESTER	SALFORD .	OLDHAM .	BLACKBURN .	HULDERSFIELD	HALIFAX .	BRADFORD .	LEEDS .	HULL .	SUNDERLAND	LIE	CARDIFF	EDINBURGH .	DUBLIN
1_				-	-			-			-	-				-												EE	, 2	

Table 2. LONDON .- Births and Deaths Registered in the Twenty-Eighth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2418	2533	2483	2534	2409	2411	2626	25 77	2520	2306	2706·2	2472
	1234	1262	1267	1275	1232	1267	1384	1318	1280	1186	1385·4	1281
	1184	1271	1216	1259	1177	1144	1242	1259	1240	1120	1320·8	1191
Total Deaths Males Females	1441	1816	1347	1736	1849	1616	1680	1774	1288	1605	1761·3	1471
	752	979	718	873	957	848	878	914	660	839	917·9	747
	689	887	629	863	892	768	802	860	628	766	843·4	724

^{*} The numbers in this column are the average weekly numbers in the twenty-eighth weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON.—H	IRTH	5, DE	ATHS,	and 1	ATELE	OKOL	GX II	i the	Last	I HIR	reen	WEEL	4.5.
	Apr. 19.	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.
TOTAL Births	2935	2538	2613	2308	2468	2443	2091	2399	2477	2516	2359	2480	2472
TOTAL Deaths	1611	1567	1533	1469	1466	1451	1411	1393	1375	1387	1346	1481	1471
Ages at Death 0-20 years - 20-40 ,, - 30-80 ,, - 30-80 ,, - 30-80 ,, - 30-90 , - 3	782 177 282 291 79	742 197 255 313 60	721 210 227 305 70	712 170 243 274 70	707 178 261 257 63	739 166 235 239 72	713 186 222 244 46	667 186 250 235 55	658 172 229 247 69	672 177 239 248 51	669 155 254 220 48	793 165 239 237 47	800 174 214 231 52
\text{\text{Under 1 year}}\\ \begin{pmatrix} \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	356 322 104	369 286 87	337 294 90	360 251 101	339 266 102	335 307 97	349 250 114	285 280 102	297 267 94	318 262 92	839 256 74	423 281 89	428 281 91
Deaths from Small-pox ,,, Measles ,, Scarlet fever ,, Diphtheria ,, Whooping-cough . ,, Typhus ,, Enteric fever . ,, SimpleContafever . ,, Disarrhæa and . Dysentery ,, Cholera ,, all the above	65 13 17 106 - 8 - 11	61 17. 20 88 - 6 1 13 -	1 67 15 18 86 1 6 - 21 - 215	62 12 25 99 - 3 - 11	70 17 21 88 - 8 2 17 -	1 94 15 24 91 - 6 - 10 1	83 14 25 78 1 3 - 10	91 11 20 75 1 7 1 8 1	100 111 24 59 - 111 15 -	99 15 19 66 - 6 1 24 2	101 7 24 52 2 9 - 51 2	100 13 21 57 6 2 85 4	99 20 22 66 - 9 - 107 4
mentioned Diseases { ,, Dis. of Respira- { tory System } ,, Phthisis - , Dis. of Circula- { tory System }	280 189 133	345 154 119	326 143 140	301 139 132	300 154 124	294 117 121	259 116 117	229 138 131	240 138 122	215 131 120	206 136 99	244 115 105	225 132 108
Violent Deaths Inquest Cases Deaths in Public Institutions	41 105 338	61 125 374	61 124 342	62 134 326	45 100 376	66 119 324	64 123 328	50 109 331	36 87 327	54 86 314	49 99 299	55 96 310	40 100 321
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	46·1 53·8 39·9	47·1 56·7 40·1	50.7 62.2 38.9	52°4 61°6 44°6	55.3 67.4 45.6	58·3 71·0 45·6	54·0 65·9 44·0	56.5 67.0 48.1	56.6 67.9 48.1	59°3 70°9 49°8	60.6 71.5 52.5	55·7 66·6 48·6	55·7 65·2 48·4
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	81 0·38 27·0	82 1·00 15·9	67 0·07 63·9	80 0·56 14·2	69 0·56 54·0	65 0·14 71·2	65 0·07 51·9	76 0·31 25·1	81 0·76 28·4	76 0·38 29·3	82 0·78 36·2	84 1·77 23·5	83 0·86 17·9

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observat the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., Ll.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverbampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunuerland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the

			Ú	CWE	NTY	-EI	GHI	H	Wee	k of the Year 1890.									
	years		Sat	n the	We 7, 12	ek e th Ju	ndina	390.			r the		Sat	In th urda	e W. y, 12	th Ju	ndin ily 18	9 390.	
	22		D	eaths	of I	Perso	0 8 0	f			ges fo		D		of F		ns of	E	
SES OF DEATH.	Corrected Averages 28th Weeks of the 1880-89.*	EB.		Unde 20.	r	under 40.	under 60.	under 80.	s and	CAUSES OF DEATH.	d Averages for the ceks of the 10 years 1880-89.**	100	J	Jnde 20.	r	under 40.	uader 60.	under 80.	and a
	Correcte 28th W	ALL AGES	0-1.	1-6.	5-20.	20 and u	to and u	80 and u	so Years upwards.		Corrected 28th Wee	ALL AGES.	0-I.	1-5.	6-20.	20 and u	40 and ut	and	80 Years
CAUSES	1761.3	1471	428	281	91	174	214	231	52	Diseases of Organs of Special Sense †}	2.4	90	1	1	-	-	1	~	-
Waccinated; -	2.6	-	-	-	-	-	-	-	-	Diseases of Circulatory	200.0								
No Statement	2.2		ļ -	-	-	-	-	-	-	System}	105.1	108	2	-	7	17	33	42	6
sles	55.5	99	19	76	4	-	-	-	-	Croup	11.1	7	-	6	1	-			_
let Fever	23.6	20	1	13	5	1	-	-		Bronchitis	99°6 65°2	96 98	35 19	15 29	2	3	11	22	10
psing Fever †	0.0	-	-	-	-	-	-	-		Pleurisy Other Diseases of Respi-	4'1	5	1	1	-	1	1	1	-
ienza	0.0	1	-	-	-	-	1	-	-	ratory System}	20.5	19	2	2	3	3	5	4	1
oping-cough	52.8	66	30	84	2	-	-	-	-	Dentition †	18.3	10	4	6			-	-	-
theria	17.7	22	1	13	8	-	-	-	-	Quinsy, Sore Throat † -	2.3	1 22	17	4	-	-	-	- 1	-
defined Fever -	3.1		-		-	-	-	-	-	Peritonitis	6.1	8	2	-	4	4		1	1
ric Fever	13.4	9	1	1	4	4	1	-	-	Diseases of Liver Other Diseases of	30.6	30	5	2	2	5	13	11 5	
era and Chol. Diarr. chœa. Dysentery	260.7	107	81	19	1	1 2	1	3	1	Digestive System -}									
ittent Fevert	0:1		-	-	-	-	-	-	-	Diseases of Lymphatic)									
ophobia – -	0.0		-	-	-	-		-	-	System & of Ductless Glands †	5.1	3	1		1		1	-	-
ders	0.0			-	-	-	-	-	-		m-maggin -branches	-			-league		-		-
ox and Effects of }	0.1	1	1	•	_	-	-	-	-	Diseases of Urinary	36.1	24	-	-	2	5	5	9	3
real Affections -	.14.1	10	6	1	-	1	2	-	-				-	-					-
pelas – – – nia and Septicæmia †	4'5 2'7	3	1	-	2	1	1	2	-	Diseases of Generative	4.8	9	_	_	1	4	4	_	
peral Fever	4'6	5	-	-	_	5	_	-	-	Accidents of Childbirth	4.4	2	-	-	Ĥ	2	-	-	-
Zymotic Diseases †	2.2	4	1	2		-	-	1	-	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COL		-							
	4.0	3	3							Diseases of Locomotive	6.8	9	-	1	3	1	1	3	-
ns and other Para-}	0.3		,	-		-	-	-					-						MF KENDER, M
cal Diseases}	0.3	1	_	-	1	-			-	Diseases of Integumen- tary System}	4.1	3	-	-	-	-	1	1	1
ation, Want of	2.7	3	3	-	-	-	_	-	-				-						
olism	6.3	10	÷	_	-	5	5	-	-	VIOLENT DEATHS. § (Accident.)									
matic Fever. }	7.4	11	L	3	3	4	1		-	Fracture and Contusion Gunshot Wound	25.3	23	-	3	4	4	5	4	3
matism of Hearth 5	8.1		-				_			Cut, Stab Burn and Scald	0.2	ī	=	=	-	-	1	-	-
	3.6	3	-	-	-	**	.2	_	1	Poison	2.2	- 5	- 1	-	-	-	2	- 1	-
ts†	5.0	5	2	3	-	-	-	-	-	Suffication Otherwise	9.6	5 2	4	Total	1	1	1	1 1	-
Mesenterica	49.2	59 30	- 10	us 0	-	6	34	18	1	Outerwise	O F		-			_	1	1	-
roular Meningitis -	31.8	24	19	8	5	2	-	_		(HOMICIDE.)			-						
sis	157.0	132	1	5	12	61	41	12		Murder & Manslaughter	1.9	1	-	-	-	-	1		
ala, Tuberculosis -	23.8	15	4	5	3	3	-	-	-	Service of the servic				-	-			serveral designation of the leading to the leading to the lead of	
Constitutional }	11.1	5		-	-	1	3	1	-	(Suicide.) Gunshot Wound	0.2		_						
ature Birth	37°6	28	28	_		- 1				Cut, Stab	2.0	1 2	-	-	-	-	1 2	-	-
otasis †	8.2	1	1		-	-	-		-	Drowning Hanging	2.2	=	=	-	-	-	-	-	1 1
mital Malforma-}	8.1	10	10		-	-	-	-	-	Otherwise	1.0	-	-	-	-	-	-	-	-
ge	42.6	34	Ŀ	-	-	-	L	21	13							-			
					-					(EXECUTION.)	012								
08y	42°3 9°2	38 6	H	1	1	3	10	22	3	Hanging	0.0		-	_	-	-	-	-	
alsions	59.4	37	83	4	-	-	_	_	_										
Diseases of Brain }	89°4	71	15	11	В	4	7	21	5	OTHER CAUSES †	85*2	72	65	100	1	8	1	1	
													-	,			-		_
ne numbers in this	aolumn a	re the	SVAP	age W	reekl	v De	ath	for	the te	n years 1880-89, raised by 9°0	46 per ce	nt. for	inere	BRR (of nor	miat	ion.		

he numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population.

5 the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

1000 cases of small-pox only are returned as "vaccinated" or as "unvaccinated "which are so certified by registered maliculinen. When cedical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered litter, the case is returned under the heading "no statement."

10 evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, aughter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON. -POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCAR, during the Week endi

													duri	ng th	ne W	eek	endi
							The	DEA	THE	regist	ered i	in the	Wed	kins	lude		
	Snume-	-		Deat	hs of					Deat	hs fr	om					
REGISTRATION	rated	9.	He.	-	60 ds.		1			gh	1	ever.		(1		Public ns.
SUB-DISTRICTS.	Popu-	(RTE)	DEATE	under f Age.	aged	ы		Fever.	* 83	n00-		or Fev	con-	-		Cases.	Pu lons.
Ballerin et	1881.	B		Jo		J-po	les.		heri	ping	uis.	ric boid	le co	hœa.	nce.		is in
		Total	Total	Year	Persons Years	Small-por,	Measles	Scarlet	Diphtheria	Whoeping-cou	Typhus,	Enteric or Typhoid) Fe	Simple control	Diarrhœa.	Violence.	Inquest	Deaths in Institution
		2.140											4110			-	-
LONDON	3,815,704	2472	1471	428	283		99	20	22	66	-	9		107	40	100	321
WEST DISTRICTS	905,947	898 895	263 307	68 73	63 72	-,	29 12	9	5	8	~ .	1 4	-	14 20	9	21 24	68
CENTRAL DISTRICTS	782,288	156	117	41	21	-	2	1	2	7		1	-	14	3	5	40
EAST DISTRICTS -	492,788	454 874	502	88 158	4.5 82	_	17 39	- 8	9	18 22	7 .	1 2		19	7	25 25	70
METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION	1,265,148		-	100		-,	-	_	-						-	-	-
LONDON) WEST DISTRICTS.			-	434		1									-		-
St. Mary Paddington WHH G.J. &W.M.	69898 37330	48 8	80	10	6 2	-	4	-	2	1	-	-	-	-	1	8	5 3
Kensington Town Ww W.M.	120141 43010	58 18	37 8	13	7 3	-	5	-	-	2	- 1	1	-	.1	1	1	12
St Pater Hammersmith W.M.	7599	1 55	8 23	~		-	1 3		1	-	-		-	-	-	-	_
St. Paul Hammersmith H W.M. S. G. S. Fulham Www - W.M. & C.	64340 42900	64	\$3	9	4	-	10	2	1 1,	2	-		-	4	-	4	7
Chelses North-west WHHHHH. C.	30396 24925 32807	17 19 29	18 22 11	7 3 5	7 3	-	1	H	2		1 1 1		-	2 - 1	2	3	3 11
May Fair WW G.J.	89353	4 32	13	- 2	9	÷.	- E	-,	H	ī	- 1		-	ī	-	1	11 4
Belgrave WHHH- St. John Westminster HHH St. Margaret Westminster H - C.	59220 85496 24679	18	19	6	3	-	3	-	-	-		-	-	-	2	3 2	1 7
St. James Westminster WHH N.R. &G.J. St. Anne Soho HHHHHHHH - NR.	29941 16608	7 9	10	- 1	5	-	-	-	-	-	-	-	-	- 1	1	2	1
NORTH DISTRICTS.	10000																
All Souls Marylebone HIHHHH W.M. Cavendish Square HHHH W.M.	26759 14891	13 8	12	2	1	-	1		-	10			-	H	2	8	8 -
Cavendish Square HHHH Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb. HHH G.J. & W.M. Christelureh Marylebone HH - W.M.	24809 21118	9 28 13	8 19	1	6	-	3	-	-	=,	-	-	-	1	-	-	1
3 St. John Bial y lebone 22	83700 83638	13	7	2	1	-,	1	-	1 -	1	-	-		2	1	3 -	1 -
Hampstead Www.HHHH N.R. & W.M. Regent's Park Paneras H W.M.	45452 89115	32 18	14	2 3	4	-	1	-1	1		-	-	H				6
Tottenham-court wHHHH N.R.&W.M.	27729 30247	10 19	8	-	9	. *	-	-	-	-	-	-	-	1	1	1	4 3
Camden Town WH N.R.	84369 17811	22 28	. 8	1 .	2 8 9	-		-		-1	-	-	H	2	ī	1	3
Kentish Town W N.R. Upper Holloway WWwH N.R.	87487 67946	56 65	30	5 9	14	_	1	1	-		-	2	-	1 5	1	1	3 ₁
Islington South-west HH - N.R. Islington South-east - N.R. Highbury H N.B.	100976 61895 52048	57 34 26	31 19 8	15 5 1	6 4	-	-	1 -	. 1	2	-	1 -	ŀ	3	1	3	-
Stoke Newington H N.R.	22781	15	5	2	í	-	7	-	-	1		-	-		-	2	-
Stamford Hill E.L. West Hackney H N.R.	9277 87610	10 29 63	16 34	4 6	3.	-	- 2	-	-	4	-	ī	-	H			ī
Hackney WuwwH E.L. & N.R. South Hackney E.L.	76911 39983	82	13	6	3	-	1	6	2 -	1 -	-	-	F	2	1	2 2	10
CENTRAL DISTRICTS. St. George Bloomsbury N.R. N. Gilles South W.H.	16681	4	1	1 -	2	-	-	-	-		-	1			_		_
St. Giles South WH N.R. St. Giles North N.R. St. Wartin in the Fields HHNR & C.	14864	9	12	8.	2	-	-	-	-	-	-	-	-	2 -		1	7
St. Martin-in-the-Fields HH N R. & C. 1 St. Mary-le-Strand H N.R. 2 St. Clement Danes H N.R.	17508 7515	1 1 9	10	4	3	-	-	-	=	-	-	-	-	-	1	1 -	4
Strand Union Workhouse, Edmonton w.	8559 — 18671	12	1	-	1	-	-	-	-	-	-	-	-	1 -	-	-	1
St. Andrew Eastern W N.R. Seffron Hill H N.R.	19706 6583	10	13	5 2	1	-	1	-	1	1	-	12	-	2	1	1	8 -
Amwell Clerkenwell N.R.	17516	9	5 2	4 2	-	-	1	-	-	-1	-	-		-	-	-	-
Goswell-street N.K.	14773	14 8	11.	7	1 -	3	1	1	-	1	=		: =	2	7	-	-
City-road HHL N.R.	18628	11 21 7	12	7	1	-	-	-	-	1	-	-	1.2	2	-	ī	- 2
Whitecross-street - N.R. Finsbury Northouse, Mitcham, w.	9217 7458	4	3 - 2	1 -	2	-	1 -	-	-	=	-	1 -	-	1 "	=	-	-
St. Rotolph H N.R.&E.L.	. 11174	6	4	1	-	-	-	1 =	-		-	-	-	1] :	_	2
Gripplegate N.R. St. Sepulchre H N.R. St. Bride W N.R.	7193 5858 8896	9	12	1	13	-	-	-	ī	ī	-	1 -		-	1	ī	13
St. Bride W N.R. Allhallows Barking N.R. Broad Street H N.R.	18666 5653	2 -	2	1	î	-		-	=		-	-	-	=	=	1	-
	1	_				1			1		1 -	-	-	-	-	-	-

NOTE -The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-W house; H-Hospital; L-Lunatic Asylum; L*-Private Lunatic Asylum in which papers are received; w-Workhouse Establish: reserving inmates from other Districts than that in which it stands, (see note at the foot of aext page). Fig. 185 man capitals signify the W companies which supply the different sub-districts: -i. J. Signifies Grand Junction Company; W. M. West Middlesex; C. Chaises; S. Southvard Vauxnall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

B, I)PHTHERIA, WHOOPING-COUGH, FEVER, DIARRICEA, VIOLENCE, &c., registered in each Sub-district

							The	DEA	THS T	ogiste	red in	n the	Weel	k inel	ude			
	Enume-			Deat	hs of				1	Death	fron	3					1	
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Bigres.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Peath.
EAST DISTRICTS. ditch South #LL* N.R. on New Town w N.R. on Old Town N.R. erston #H N.R. & E.L.	22343 29937 28036 46275	7 23 17 30	9 14 13 17	3 7 3 5	- 4 4 2	1111	1 - 2	1111		2 . 2 . 1	1111	1111	1614	2 3	1 2	1 5	4 - 5	1111,
aal Green North H - E.L. aal Green South - E.L. aal Green East WHL^* - E.L.	51157 34399 41405	31 21 15	16 6 25	-6 2 5	7		1	-	-	-4	-	111	1 1 1	2 2 -		ĩ	13	-
Reids -	22585 15473 17490 9713 6102	11 15 15 1	10 19 1 5	2 4 8 1 3	3 -	1111	8 -		1			1	11111	1 - 3	1 -	1 1 -	18	11111
eorge's, North E.L. ohn, St. George East W - E.L.	88747 8410 10395	6 5	13 9 11	6 2 4	1 2	-	-		-	1 -	-	1 1 1	-	1	-	3 -	5 10	-
well H E.L. & N.R. liff E.L. bhouse E.L.	16107 32041	5 26 42	7	2 3 7	2	1 1 1	-	-	-	1 - 8	-	1.1		2	-	1 - 2	-	-
End Old Town West H - E.L. End Old Town East $WwwH$ - E.L. L^* - E.L. aley $wwwH$ E.L. at WWH E.L.	37960 67653 37074 64359 55077	43 21 51 25	28 8 33 16	11 8 5 1	3 11 2	1 1 1	4 4 1	411	1 1 1 1	1	11111	F11 11	1 1 1 1	2	1 1 1	3 3	- 15 1	1111
South Districts. stehurch Southwark WH L. & S. aviour Southwark - Sroad - S. undn-road WH - S. & L. on-road HL - L. & S. ty Newington - S. & L. aty Newington - L. & S.	14999 21381 15953 21318 26672 59555 21623	9 10 18 7 15 19 40 12	4 7 7 11 4 20 15 4	1 2 4 2 2 4 4 2 2	2 - 1 1 2 3 -		1 2 - 1 2	1		1 1 3 - 2 1 -	1111111	1111111	1111111	1 2 2 1	. Hillith.	1	3 - 2 -	1
lave WH S. & L. her Market S. & L. L. fary Magdalen W - S. & L. mass Bermondsey - S. & K. & K.	11956 16300 15669 54682 36024	9 13 16 36 17	20 6 3 11 14	2 4 - 4 -	1 - 3		2	-	1	1 1 23 -	11111	-		1	4111	1	19	11111
erico-road 1st .H - L. & S. erico-road 2nd H - L. & S. beth Church 1st H - L. & S. beth Church 2nd WW - L. & S. inigton 1st - S. & L. inigton 2nd - S. & L. 200 800 - L. & S. wood W L.	15195 16351 19876 39859 45282 35832 62837 19017	5 15 7 25 28 16 58 11	6 6 18 19 13 5 18 3	4 4 9 4 2 8 1	1 1 2 1 1 1		1 2 3 1 1 -	1 1 - 1		1111141	11111111	1	1111111	1 1 2 1 1 -	1111111	1	1 10 5 - 1	1
Battersea	54675 52587 36380 28004 13235 25553	53 52 14 28 10 26	28 36 18 7 2 8	12 19 6 3 2 4	2 4 2 2	111111	8 1 2 - 1	111111	1 -	5	11111	11111	11111	5 11 1 2 -	1	1 - 1	1 -	1
wich L. & S. berwell $W \omega L^*L^*$ - S. & L. & S. Corge Camberwell L. & S.	5590 59104 71089 50810	1 48 43 46	38 15 23	6 5 10	10 3 4			17.10	1	- 2	1111		1111	4 1 2	1111	-	14	1 -
Paul Deptford ww K. Nicholas Deptford K. Nawich West H K. Inwich East WHH K.	76752 7901 21972 24608	70 1 15 13	29 2 7 24	8 1 2 5	5 - 2 6		1 1 1 4	8 -	2	1	1111	- 1		1111	3 - 2	3 - 3	6 1 10	1111
am H K. H K. Subam WH K. Subam H L.	5048 21559 19865 26076	8 12 11	1 4 7 6	1 2	1 - 4 4	1111		0 1 1 1		1111					1111		1 1 -	1111
clton HII K. lwich Dockyard K. lwich Arsenal HH K. nstead, West H K. nstead, East W K.	10980 17617 19049 14009 19241	8 7 9 6 23	4 8 4 7 15	2 1 1 1 1	1 1 7	11111		11113	1 1	1 1 1 1 2	11111	1111	11111	11111	1	1 -	3	11111
ropolitan Asylum Hospitals: Dartford w Winchmore Hill w	=	-	-	-	-	=		-	-	-	-	-	1.1	-	-	-	-	-

farylebone Infirmary in Kensington Towa sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

In Upper Holloway sub-district.

Whitechapel "Hoston New Town sub-district."

Mile End Old Town Eastern sub-dist.

And Bromiey sub-district.

Mile End Old Town Eastern sub-dist.

And Bromiey sub-district.

The stepney Worknows in Bromiey sub-district.

Whitechapel "Mile End Old Town Eastern sub-dist.

And Bromiey sub-district.

The stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Westmuster Union Industrial Stepney Westmuster Union Industrial Stepney is a Stepney worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-district.

Stepney Worknows in Bromiey sub-

and of the feet note at note preceding pages.

Stepping Worknows to Bromley sub-district.

Postar a Stepping Sick Asylum
Westmuster Umon Industrial School in West Battersea sub-district.

St. Saviour's Infirmary in Camberwell sub-district.

Metropouter a Asylum District it Institutes in Fusiam. Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.

Strand and Holborn Workhouses outside Registration London.

TABLE 6 .- LONDON .- OUTER RING . - AREA; POPULATION; BIRTHS and DEATHS registered during

				W	eek ei	nding	Satu	rday,	12th	July	, 189	0.					
liegis-		Area			1	1_			The D	EATHS	regist	ered is	a the	Week i	include		
tration		Acres,	Enume-			Dea	ths of				Death	s from	1				
District	REGISTRATION	inolu-	rated	HS.	DEATHS	7.	G8.		1	1		agb.		1	1		blig
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS	EA	under of Age.	aged k upw	1 3		Fever.	es .	100-3				Cases	eaths in Public
district Num-		and	1881.	В	a	ta u	118 g	2	los.	at Fe	heri	ping		h oea.	noe.	at C	is in
hers.		Fore-				Infants	Persons Years	Small-pox.	Measles.	Searlet	Diphtheria	Whooping-cough	Fever.	Diarrhoea	Violense	Inquest	Deaths Instit
-							_		-	-			-	-	-		
LOI	NDON - OUTER RING	370.924	950,957	809	312	93	76	-	15	2	4	7	3	23	12	24	3
80:1	Carshalton wL -	12228 9971	21118	9	2	-	1	-	-	-	-	-	-	-	-	-	1
37:1	Epsom (part of)* WwH. Godstone (part of) * -	2754	10710 1235	1	1	1				-	,	_	-				
38:1	Croydon Ww L -	20851	101241	5 2	85	7	11	-	1	-	4	-	, -	-	2	5	8
3	Mitcham w †	11697	17982	17	3	H	1			-	-	-	•		-	-	1
89:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	16 23	8	3	3	-	2 -		7	_		1	1	3	1
8	Esher (part of) * -	6601	9221	2	2	-	1	-	-	-	-	-	-	-		-	-
	Hampton H	4573	18589	8	6	8	1	-	-	-	-	-	1	-	1	1	-
40:1	Richmond WH Mortlake	2272 2941	21302 12331	12 6	3	1	1		-	-	-	-	-	_	-	-	
41:1	Bromley (pt. of) * HH	15669	81142	20	10	-	1	-	1		÷	1	1-1	1	-	2	-
42:1	Chishrst(pt.of)* WHH	14307	15844	15 15	8	2	8		-	-	-	-	~		-	2	8
2	Bexley H Dartford (Ww, pts. of)*;	13437	24184	-	1	-	-	I - I	-	-	-	-			2 -	-	1
124:1	Sunbury 10	11055	11685	6	3		2	-	-	-	-	-	1	-	-	-	-
2	Staines W	18277	12069	8	2		1		-			-			-	-	-
125:1	Hillingdon WHH - Uxbridge	6029	10802 5225	8	2		1	-	-	-	_	-				1	-
8	Hayes wHL	14587	11523	1	8	-	-	-	-	-	-	-	-		-		1
126: 1	Isleworth WHH -	7008	22727	19	8	3	3	-	-	-	- 1	1	-		1	2	-
2 8	Twickenham H Brentford HL	2477 4345	12479 27649	13	3 10	3	1		-	-	-	_		2	-		-
4	Chiswick	1840	15975	19	8		2	-	-	-	-	-	-	-	1	1	
5	Acton wH	6088	22876	19	5	1	2	-	-	-		-	-	1	-	-	-
127:1	Harrow H Edgware H	13809 6994	12796 3749	13 2	4 2	1	2	-	-	-		-		П	-	-	-
3	Willesden	4383	27453	37	17	6	3	-	3	-	-	2		2	-	-	-
4	Hendon W	8382	10484	11	3	1	-	-	1	-	-	-	1-1		-	-	1
137:1	Bushey Watford (W, pt. of)* -	9331	6621	3	2	1	-	-	-	-					-	-	1
128; 1	South Mimms	158 99	6391	4	1	П		_		-	_						
2	Barnet	5183	10002	4	2	H	1	-	-	-	-	-	-	-	-	-	-
135 : 1	Finchiey HL	4638	17615	27	10	4	1	-	-	-	-	-	1-1	1	-	-	2
129 : 1	Hatfield (part of) * - Hornsey H	3306 3039	583 37078	-		-		-	-	-	-	-			-	-	-
2	Tottenham H	4642	46456	84 61	5 34	3 17	1 8	-	5		1	2	1	1 4	-	2	1
3 4	Edmonton Ww -	7483	23468	18	16		5	-	2	-	-	-	-	2	1	1	2
5	Enfield WH Waltham Abbey	12653 11017	19104 5368	17	6	2	1	-	-	-	-			-		1	1
6	Cheshunt	8480	7735	-	3	1	1		-	-	-	-	-	-	-		-
18B:1	Stratford West Ham wwH -	882 4055	38 60 6 90347	25	12	2	1	-	-	1	-	-	-	-	1	1	-
8	East Ham ww	8296	10706	103 17	23	10	1		-	1 -	1 -	-		4	1	1	-
- 4 K	Leyton WwL	4372	32430	53	18	7	5	-	-	-	2	1	-	1		-	2
187:1	Walthamstow H - Chigwell (part of) * H	6520	28869 9663	4 0 6	11	1	3	-	-	1-1	-	-	-	2		-	
2	Epping (W, pt. of)* -		2003	-	2 -	-	1 -	-		-						-	- 1
189:1	Romford (part of) * W	6730	3411	12	2	1	1	-	-	-	-	-	_		_	_	2
2 8	liford Barking Town	8493 4127	7645 9203	4 13	1 2	-	-	-	-	-	-	-	-	-	-	-	-
		21.01	9200	10	2	1	- 1		- 1	- 1	-	-	-	-	- 1	-	-

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as foliows 30: 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstead district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1293); 41: 1, Brominy sub-district, except this parishes of Cadhama Knockholt (pop. 1318); 41: 2, Chislenurst sub-district, except the parish of Cheisfield (pop. 247); 135: 1, the parish of Northam in Hat sub-district; except the parish of Theydon Bois (pop. 357: 138: 1, the parish of Northam in Romford sub-district; except the parish of Theydon Bois (pop. 357: 138: 1, the parish of Northam in Romford sub-district; except the parish of Theydon Bois (pop. 357: 138: 1, the parish of Northam in Romford sub-district; except the parish of Theydon Bois (pop. 357: 138: 1, the parish of Northam in Romford sub-district; except the parish of Northam in Romford sub-district; e

Metropolitan Asylum Hospital (see Table 5).
Asylum Hospital, Winehmore Hill (see Table 5).

BLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the Week ending Saturday, 12th July, 1890.

	1		ANNUA	LRATE			The DE	ATH8	regi	stered	in t	he W	eek i	includ	le	
GREATER	Area in Acres.	Estimated		D living.	DEATHS	Deat	hs of			1	Death	s from	m			Public
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	S.nall-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-	Fever.	Diarrhos.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	16
TER LONDON	448,334	5,758 500	16.1	3.4	1783	521	359		114	22	26	73	12	130	52	34
NER LONDON -	77,410	4,421,661	17.4	3.8	1471	428	283	-	99	20	22	66	9	107	40	32
TER RING .	370,924	1,336,839	12.2	3.1	312	93	76		15	2	4	7	3	23	12	2

rg.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 0.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,166,842 Persons.

	Deput					ANNUAL	DE	ATHS	FROM	PRIN	ES.	ZYMO	_
CITIES.	POPULATION (enumerated or estimated).	DA OF RE Week	TURN.	BIRTHS.	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
CUTTA	433,219 {	May	17 24	-	183 206	22·0 24·8	15 10	2			-	74	21† 32†
BAY	773,196	June	17	269	- 308	17.3	5	î	5	5	3	94	22†
DRAS	398,777	May	23	310	289	37.6	-	8	-	-	~	101	31
.I8 · · ·	2,260,945	July	5	1132	903	20.8	2	65	10	24*	10	8	58
8 Faubourgs.)	477,288	80	5	242	169	18.9	2	3	~	•	1	4	11
TERDAM -	406,302	19	5	261	140	17:9	-	4	-	2	-	3	1 44
TERDAM .	203,486	. 99	5	133	79	20.1	-		-	-	1	-	-
HAGUE -	156,497	20	5	94	55	18.3	-	3	~	1	1		~
ENHAGEN -	\$12,387	90	5	199	112	18.7	,-	16	-	5	5	-	. 8
CKHOLM -	236 350	June	28	149	77	16.9	-	equi	4	5*	3	1	8
- AIMAITSI	143,300	July	' 5	77	66	23.9	-	2		3	-	. 1	14
PETERSBURG	812,000	June	28	-	472	29.2	-	38	27	2	8	111	75
LIN	1,526,887	33	21	882	625	21.1	-	23	3	33	11	2	105
MBURG(State)	575,276	29	28	429	237	21.2	-	14	4	2*	4	1	36
ESDĖN	269,250	93	28	165	93 .	18.0		1	-	2*	-	-	6
BLAU	324,400	July	5	242	178	28.8	-		3	4*	1	. 2	34
MICH	298,000	23	5	-	169	29.5	-	2	1	6*	-	~	3 9
NNA	822,176	33	5	528	387	24.5	1	20	2	12	1	1	34
AGUE	314,425	39	5	-	192	31.8	1	19	4	4	3	2	6
DA-PESTH -	463,017	June	28	332	285	32.0	-	1	2	14		4	37
ESTE	160,092	July	5	99	79	25.7	-	-	1	2*	-	-	13
ME	418,217	June	7	201	168	21.3	-	6	. 1	4	4	6‡	13
RIM (10 days)	314,827	99	. 20	qua.	1-	-	-		-	-	40	-	-
STOR	156,515	23	21	77	52	17.3	-	-	-	-		3	4
II20	374,838	31	. 19	360	287	39.8	-	1	-	2*	1	29	94
EXANDRIA -	231,396	19	19	150	208	46*3	1		-		-	11	60
W YORK -	1,595,547		21	_	773	24.9	-	10	11	29	8	3	121
OOKLYN -	859,612	93	- 21		370	22.5	-	3	5	15	2	1	59.
ILADELPHIA -	1,064,277	99	21	_	480	23.2	-	3	3	7	2	11	86
LTIMORE -	500,343		28	_	252	26.2	-	3	2	1	8	2	72
W ORLEANS	254,000	May	31	-	133	27.3] -	4	-	-	-	1	21

Including deaths from croup.
 Including 5 and 12 deaths respectively from cholera in Calcutta, and 1 in Bombay.
 Malarial fever.

TABLE 9.-METEUROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 12th July, 1890. [Under the Superintendence of the Astronomer Royal.]

_																				
	Ozone.		0.0	1.5	4.5	0.0	0.0	0.0	0.0	0.9	27	a; no	r, are ission r, and ading	luced ygro-	aphic	" and	and the	0	to the	78 in.
Rain	collected in a Gauge whose	surface is 5 inches above the Ground.	in. 0.01	0.18	20.0	0.11	00.0	0.49	00.0	8.00 98.0	26	f the se	momete a discu aromete mean res	are dec	photogr tal move	higher,	Deptford ins from	strong.	pplying	ek to 29 ed to 29
		Depar- ture from Average of 16 Years.	Miles.	+ 87	+154	- 22	- 14	- 29	- 18	Sum +161	25	n level o	ulb ther ced from or the b prected	temperature of the air of humidity are deduced ers by Glaisher's Hygro-	n of the horizon	licates "	rket at 1 1structio	lerate; s	ood as a	of the we
rs.	Robinson's.	Horizontal Movement of the Air on each Day.	Miles. 245	326	391	212	218	201	211	Sum 1804	16	re the mea rel. and 9h. P.	the wet b thous dedu- ting 1873 f Vith the co	daily value of temperature of the air ure and degree of humidity are deduced bulb thermometers by Glaisher's Hygro-	discussiond that of	that + inc	Sattle Mai under in	c; m. mod	e underst	eginning the 8th;
aomete	ne ne	an 24 urly urly 8.	lbs.	0.3	2.0	0.0	0.0	0.0	0.0	:	23	sea leveraler	or, and correct ars end ers. Vers	ly val	rom a. 868, a.	pind	reign (arket,	weak	re to b	t the b
m Anen	Pressure on the	Least. h	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	23	159 fee uce to n; 3h.	ion of ion of nty yes nomete	an daj ature t bulb	rived f	ne in	the M	ve; w	h day.	56 in. a
uced fro	Pressi	Great.	lbs. 0.4	3.6	2.2	1.0	1.0	1.2	0.3	1		eter is to red	thern oplication the twe thern	emper emper	ears en	be bor	rk of to	negati	on eac	om 29.
Wind as deduced from Anemometers	Osler's. General Direction.	P.M. 6	NW. & W.	WSW.&SW.	WSW. & W.	SW.NW. &	NW.N. &	N. & NNE.	SW. & SSW.	& N.	30	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the	eye-readings of the barometer, the day bulb theremometer, and the weet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and of their pre-westry weakity wears ending 1805 for the thermometers. With the corrected mean reading of the day bulb thermometer is combined the corrected mean of the reading of the day bulb thermometer is combined the corrected mean reading	and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by chaisher's Hygro-	metrical labels. The average temperature of the air is that derived from a discussion of the photographic process and a second made at Greenwich during the average editing 1838 and that of horizontal movement of the consistency of the labels and that of horizontal movement of the consistency of the labels and that a horizontal process.	and 25 it will e.	the surface, at the end of one of the jettles of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London. Only and Placetricity is derived from Thomson's self-registering Flacthounders. The	After recommending to define the property of t	the aggregate duration of bright sunshine on each day. The results of all the neteconogical observations are to be understood as applying to the	CIVII usy, or now minimize to minimize the property of the week to 29.78 in. The reading of the bonneter increased from 29.56 in. at the beginning of the week to 29.78 in. by 9h. A.W. on the 7th, decreased to 29.85 in. by 9h. A.W. on the 8th; increased to 29.81 in.
		A.M.	N. & NW.	WSW.	SSW. & SW.	WSW. & SW.	NNW. & N.	NNE. & N.	SW. RISSW.	SW.	19	The height of the cistern rrection has been applied to Observations are usually to	the baromete mean daily volic records thy years end thermometer	thermomete ne mean dai daily value	emperature Greenwich	In reading the columns 9 a "lower," than the average. "Lower," than the average. The thermometers in the W	the surface, at the end of or their readings are register Corporation of London.	yed are:-P	uration of by	f the barome the 7th; dec
	Water hames	Low-	6.09	0.09	59.9	9.09	F.09	8.09	9.09	8.09	18	ght of has be	into into into into intographe twen	mum 3). Th	rage tade at	ing th	dings on of J	emplore.	gate d	ding o
ATURE	Of the Water of the Thames at Deptford.	High-	61.4	8.09	8.09	61.3	1.19	0.19	9.19	61.1	17	he hei rection bserva	readir verted he pho ing th	and minimu (column 8). from the me	metrical Tables. The average trecords made at	n read	surfa ir rea rporati	symbols en	aggre The re	The rea 9h. A.1
TEMPERATURE		Lowest on the Grass.	0 44.3	6.88	0.09	44.5	89.3	45.0	:	6 days.	16	COL			a at	5 1		syr v.	th	G G
T	Of Radiation.	High- est in Sun's Rays.	92.5	135.9	134.4	6.101	8.671	1.#01	115.2	116.2	15		P.M. and	evening;	le after	ing.	overcast		-	
	Degree of Hu- midity		87	758	18	56	20	85	80	88	14	202	मुं	till	variab	ill evening.	evening;	day.		
woon.		Least.	0.0	0.0	0.0	0.0	2.2	9.0	0.0	₹.0	13	MARK	betwee	showers	rnoon;	rain t	till eve	A cold day.		
nce hets	the Air Temperature and Dew Point Temperature.	Great-	9.8	16.5	14.4	2.9	18.7	10.1	15.5	13.1	12	GENERAL REMARKS	loomy ht rain	- ·	showery till afternoon; variable after-	frequent rain till	cloudy	wers.	US	
Diword	the Air and Ten	Mean daily value.	0.50	6.4	6.7	2.3	6.6	₹.0	6.5	00	11	NERA	ally; gent slig	n oceasiona in at night.	ожегу	overcast; fi	partially c	ent sho	Solar halo.	
	Of the Dew Point.	Mean daily value.	49.5	₹0.4	55.0	0.22	48.4	47.5	47.1	20.4	10	GE	st gener	le with with rain	and		pu	Cloudy; frequent showers.		
RE.		De- parture from Average of	1.8.1	9.9 -	- 2.3	2.5	7.5 -	-10.0	8.6 -	1.9 -	5.		Overcast generally; gloomy between	Variable with overcast with rain	Cloudy wards.	Generally	Fine and at night.	Cloudy	Cloudy.	
RATUR	ir.	Mear daily value.	53.0	55.3	6.69	27.3	58.8	6.72	53.3	55.7	00	above prizon, hours.	16.4	16.3	16.3	16.3	16.3	16.2	16.5	Sum 114.0
TEMPERATU	Of the Air.	Daily Range.	0 12.3	19.8	20.3	2.01	8.07	11.4	22.7	16.8	1	Registered Sun above Sunshine, Horizon, in hours. in hours.				****				
		Low-	0.87	0.44	8.19	53.5	48.3	48.4	6.17	48.4	9	Registe Sunshi in hour	0 0	6.6	7.4	0.5	7.1	1.4	1.6	Sum 17.9
		High-	0.09	8.99	72.1	0.79	1.69	59.8	9.79	65.2	10		1000 ; ming ;	•		•,	ning;	gene gene		I
BARO.	Mean daily reading	rected and reduced to \$20 Fahren-heit).	in. 29.684	29.730	29-419	. 29.571	764.66	29.744	29.758	129.62	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. till afterboon w. N. in evening w. P. at night.	w. P. generally	w. P. throughout	w. P. generally	m. P. in morning; v. P. and w. N. afterwards.	s. N. and s. P. fill 3h. A.M.; w. P. gene	w. P. generally	
	Phases	Moon.		: :	In	Equator. Last Qr.	:	. :	:	:	20	EL (For symb	w. P. w. P. a	w.P.	w.P.	W. P.	v. F. a	Sh. A.M	₩. P	
-		А	9	1		0	10	H	12		T:		9	t-	00	0	10	=	150	
	1890.	Монти Анд Day.	JULX.	Mon.	TUES	WED.	THURS.	FRI	SAT.	MEANS	No. of Col.	DATE.	SUNDAY .	Monday .	TUESDAY .	WEDNESDAY	TRURSDAY.	FRIDAY .	SATURDAY.	

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS DEATHS LONDON AND IN

TWENTY-SEVEN OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 29. 1890. Vol. LI.

WEEK ENDING SATURDAY, JULY 19.

Price 13d.

General Register Office, Somerset House, 21st July, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18.0 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	Weeks	ending	and property of the second	1	Weeks	ending
Towns.	June July 28. 5.	July July 12. 19.	Towns.	June 28.	July 5.	July July 12. 19.
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol -	13.2 11.9	19·2 16·3 18·1 16·3 24·3 18·3 13·9 14·3 16·4 15·3 11·0 18·3	Manchester Newcastle-on-Tyne Norwich Nottingham Oldham	15·9 27·1 23·7 19·1 11·3 16·7	17.5 25.3 18.9 12.6 14.1 16.3	22·8 19·4 17·4 17·9 23·1 26·2 25·3 21·8 10·4 14·2 12·8 15·5 19·9 12·1
Derby - Halifax - Huddersfield Hull -	10·7 21·8 14·5 14·5 15·9 18·4 19·9 14·4 14·6 14·6 19·2 20·4 14·5 16·6	17.6 11.1 15.3 19. 14.4 15. 11.7 12. 18.1 21.	Portsmouth - Preston Salford Sheffield - Sunderland -	12·4 22·3 20·4 19·6 17·2	12·8 21·3 17·8 16·1 17·6	21.8 21.2 10.9 18.8 20.8 20.0 14.4 16.9 21.5 19.9 18.0 12.5 16.3

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.2 in London, 1.5 in Birkenhead, 1.7 in Bradford, and 4.0 in Plymouth; from scarlet fever, 1.1 in Sheffield, and 1.3 in Liverpool; from whooping-cough, 1.6 in Derby; from "fever" 1.0 in Newcastle-upon-Tyne; and from diarrhea, 5.7 in Leicester. The 31 deaths from diphtheria included 19 in London, 5 in Liverpool, 4 in Manchester, and 2 in Salford. No death from small-pox was recorded in any of the twenty-eight towns.

LONDON.

In LONDON 2346 BIRTHS and 1522 DEATHS were registered. Allowing for increase of population, the births were 430, and the deaths 301, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.5 and 17.4 in the two preceding weeks, rose last week to 17.9. Thus, during the first three weeks of the current quarter, the death-rate per 1000 averaged 17.6, which was 2.7 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 63356,-3, 635,-7/90. Wt.

The 1522 deaths included 104 from measles, 12 from scarlet fever, 19 from diphtheria, 56 from whooping-cough, 6 from enteric fever, one from an ill-defined form of continued fever, 111 from diarrhea and dysentery, one from cholera, and not one from small-pox or typhus; thus, 310 deaths were referred to these diseases,

being 217 below the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 9, and no case of this disease was under treatment, on Saturday last, either in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had fluctuated in number in the five preceding weeks between 99 and 101, increased last week to 104, being nearly double the corrected average. The fatal cases of scarlet fever, which had numbered 13 and 20 in the two previous weeks, declined last week to 12, and were 17 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1414 scarlet-fever patients at the end of last week, the numbers on the six preceding Saturdays having increased from 1133 to 1348; 159 cases were admitted during the week, against 150 and 153 in the two preceding weeks. The 19 deaths from diphtheria were slightly fewer than the number in the three preceding weeks, but exceeded the corrected average by one. The deaths from whooping-cough, which had increased in the three preceding weeks from 52 to 66, declined again last week to 56, being, however, 3 in excess of the corrected average. The 111 deaths from diarrhæa were less than one-third of the corrected average, though showing a further increase on the numbers in recent weeks; 105 were of children under five years of age. The death of a child, aged 15 months, was referred to "cholera, exhaustion, 5 days."

The deaths attributed to enteric fever, which had been 9, 6, and 9 in the three previous weeks, declined again last week to 6, and were 5 below the corrected average. The Metropolitan Asylum Hospitals contained 48 cases of cases of enteric fever, and 2 of typhus, on Saturday last; 5 cases of enteric fever were admitted

during the week, against 5 and 7 in the two preceding weeks.

The deaths referred to diseases of the respiratory organs, which had been 244 and 225 in the two previous weeks, further declined last week to 216, exceeding

the corrected average, however, by 34.

Different forms of violence caused 49 deaths, concerning all but 1 of which inquests were held. Of these 49 deaths, 7 were cases of suicide, and 4 of murder or manslaughter, while the remaining 38 were attributed to accident or negligence. Seven of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 7 by drowning, and 7 (including 6 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3142 births and 1900 deaths were registered, corresponding to annual rates of 28·5 and 17·2 per 1000 of the estimated population. In the Outer Ring 25 deaths from measles, 19 from diarrhæa, and 8 from whooping-cough were recorded. The deaths from measles included 8 in Tottenham, 4 in Croydon, and 3 in Bromley sub-districts; eight deaths from diarrhæa occurred in the district of West Ham, and 2 from diphtheria in the sub-district of West Ham.

MRTEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.75 ins.; the lowest reading was 29.59 ins. on Thursday evening, and the highest 30.00 ins. at the end of the week. The mean temperature of the air was 61.4, and 2.0 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, excepting on Tuesday, the deficiency of temperature on Saturday exceeding 7.0. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 11.2 miles per hour, which was 1.6 mile above the average in the corresponding weeks of 16. Parameters. Rain fell on four days of the week, to the aggregate amount of 2.08 inches. The duration of registered bright sunshine in the week was 21.7 hours, against 28.7 hours at Glynde Place, Lewes.

-						_	_		_	_						_		_								_						
	CITIES	AND BOROUGES,		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORTHWOOTH.	PLYMOUTH.	BRISTOL.	D	L'HICHGHAM.	Northwest &	DERBY.	BIRKENHEAD,	LIVERPOOL.	Bollow.	MANCHESTER.	SALFORD.	BLACKBURE.	PRESTON.	HUDDERSFIRED.	HALIFAX.	BRADFORD.	LEEDS.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.		EDINBURGH.	DUBLIK.
	A Life	Centi- etres.	uI I	24.	2.72	5.28	1	1 1	1.14	8.53	00	1	1.50	3 1	1	1.78			1			1	1	1.85	1	70.0	# D	0.56	3 1		2.16	68.0
	KAINPALL	.nehen.	I ul	23.	1.07	80.7	1	, ,	18.7	3 68.1		1	0.69		,	0.40	1	•	E	-		0	1	0.73 1	1	0 66.0		0 66.0			0.85 2	
MAIR.	Mean.	.ebergi	Jasu	22.	14.44	16.33	1	1 1	13.72	4.28	79.02	1	14.04	F .	1	88.4		,		•	1 1	1	8	11.4	ı		14 00 m	18.00			14.99	
OF TH	Me	.tiedae	rds'i	21.	28.0	7.19	1	1 1	2.99	57.7			68.0	-	1	57.8						1	1	1 5.49	1		2 20	55.4			67.6 1	
ATURE	.3	Lowest	beit.	20.	9.81	2.6	1	1 1	0.19	20.09				2 1	-	2 4.19	1													=		
TEMPERATURE OF THE AIR.	-31	Higher	Fahrenheit.	19.	79.92	9.94	1	1 1	71.0 5	67.0 56	_		0.14	2	-	67.9 51	_		_			_		9 52.2	_		0 48 0	1 02				2 40.6
	ling -	ni asaa:			00	3.6 76	2.3	0.0	_	1.8 67		1 4	F 63	_	0.		6	48	6	e	0	0		6.69 0			<u>.</u>	9 99 9	-	- -		8 71.2
Annual Rate per 1006,	corresponding to the Week's Deaths	susen.	H	18	20				9			4.9			64		6.0		1.9			0.0	9.0	3.0				0.1		-		1.8
And d		o(I to sas	K.E.O	17.	18.0	17.9	15.2	14.2	21.5	18.0	-	6.91	15.5	11.9	15.4	19.4	18.9	26.2	14.4	16.0	20.8	15.5	19.1	14.7	21.6	21.2	12.4	0.10	17.8		16.7	20.1
	- B	nottutita	וים	16.	22	7	1	1 1		63 1	•	9 6	٥ -	1 1		15	1	ಣ	1	1 6	9 1	8	4	94	97	22	H	1	• -		16	10
		Deaths in Public		15.	602	847	10 4	er 4	1	17	G	207	4	1 10	2	33	4	88	9 9	73 -	7 00	00	က	7	15	41 -	41	7 2	7 %		100	19
	.86	arO Jasu	buj	14.	232	113	04 0	ە تە	-	10 1	Ç	3 4	2 10	-	1	13	00	12	00 0	23 6	4 64	63	H .	0.1	15	00 .	4	90 F	1 4		Gra G	. 9
elude		•3000]	Vio	13.	118	49	- 6	9 61	-	63 1	H	0 0	4 00	-	ł	11	60	9	-	H 0	4 61	67	-	٦	9	10 (24 .	<0 €	- 03		9 1	10 TO
The DEATHS registered in the Week include		trhes.	Dia	12.	172	H	63		-	₹ 1	0	0 =	1	1	1	63	1	1	H	1	1	1	1	ಣ	6	41	2.3	1 -	- 1		60 4	(7) 1
the W		•19·	Fer	=	23	2		4 0	1	- 1		1 1	G1	1	1	ಣ	1	Н	4	8 I	1	1	ı	H	1	-	1 0	e4 e	۱ د	ı	1	1 4
red in	Deaths from	-gniqoo	MA.P	16.	98	99	1 1	1	-	1 1	0	9 1	1	ಣ	1	10	Н	9	Η,		8	ŧ	-	Н	4	တ	27	1 0	1 12		40	5 50
registe	Death	.airedid.	Dip	6	31	19		1	1	1 ,1					4	10	1	4	63		1 1	ŧ	1	1		1	1	ı	1 1		07 1	- I
ATE		rlet.	Bea	00	55	12	1 0	1 1	-		٥	0 -	4 8	H	Н	15	ı	10	4	1 1		ı	1	1	1	1	1	6 1	1 1		1 1	٦ ١
he DE		.molas.	Me		159	104	l r	-1	9	्य ।	c	0 -	4 6	3	60	6	Н	10	Ħ	ı	1	1	1	90	1	1-	î	1	l 01		1 2	ص ات م
-		sll-pox.	mg	6.	1	8	1 1	1	1	1 1		ŧ	1 (1 8	1		ı	1	1	ı	1 8	ŀ	1	ı	1	ı	1	1	1 1		1	1 1
	Deaths of	sons aged Years upwards	Per 60 and	6.	685	293	14	11	11	21	06	207	R 00	10	00	34	6	28	121	3 0	27 9	13	10	6	38	17	133	15	10 F		14	67 04
		nts under Year of Age.	slul I	4.	910	445	6 1	0 00	1	13		96	12	1 70	10	55	9	35	11		14	1 00	6	17	54	44	12	24 5	6		23	53
during	ending 1890.	EATES.		\$	3351	1522	36	00 56	32	80	94	100	73	23	21	228	400	161	67	600	42	28	30	89	lel	137	TC.	6.0	40		189	140
Registered during	the Week ending 19th July, 1890.	BIRTES, DEATES		93	5468	2346	200	44	28	136	200	607	126	22	63	326	19	282	8118	3.0	0 00	46	10,4	109	243	217	267	199	21 S	-	126	174
150	z	to the middle of the Year 1890.*		1,	9,715,559	4,421,661	123,659	142,952	78,780	282,248	005,00	461,865	944 909	100,871	105,049	618,463	115,846	879,437	242,509	192 559	105,163	94,253	82,034	240,515	\$63,799	832,837	100,000	16.967	117,012		271,185	853,082
				Cols.	•	•	•		٠	• 100	-			•	•	•		4	•			-	•	1	٠	a (•	-	. 1	
	CITIES	AND BORUUGES.		3	28 TOWER	LONDON .	BRIGHTON .	PORTSMOUTH .	PLYMOUTH -	BRISTOL	WOLVERBAME	BIRMINGHAM	LEICESTER .	DEREY -	BIRKENHEAD	LIVERPOOL .	BOLTON -	MANCHEBTER	SALFORD .	BLACKHITEM .	PRESTON	HUDDERSFIELD	HALIFAX .	BRADFORD	LEEDS	SHEFFIELD .	Sirvingeram	NEWCASTLE .	CARDING -		EDINBURGH .	DUBLIN .

TABLE 1.-BIBIHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 19th July 1890.

Table 2. LONDON .- Births and Deaths Registered in the Twenty-Ninth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1889	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females	2595	2451	2453	2559	2669	2423	2572	2724	2385	2627	2776·1	2346
	1303	1223	1288	1316	1370	1297	1338	1401	1242	1341	1430·6	1230
	1292	1228	1165	1243	1299	1126	1234	1323	1143	1286	1345·5	1116
Total Deaths Males Females .	1482	1943	1321	1781	2007	1636	1716	1977	1297	1556	1822·8	1522
	799	1014	676	906	1025	849	895	1050	681	816	949·9	805
	653	929	645	875	982	787	821	927	616	740	872·9	717

^{*} The numbers in this column are the average weekly numbers in the twenty-ninth weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

TONDON -- RIPTHS. DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS

TABLE 3. LONDON.—I	OIRTHE	, DE	THS,	and I	TETE	JROLU	GY II	the	Liast	THIR	reen	WEEF	1.5.
;	Apr. 26.	May 3.	May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.
TOTAL Births	2538	2613	2308	2468	2443	2091	2399	2477	2516	2359	2480	2472	2346
TOTAL Deaths	1567	1533	1469	1466	1451	1411	1393	1375	1387	1346	1481	1471	1522
$\begin{array}{c} \text{Ages at} \\ \text{Death} \end{array} \begin{cases} \begin{array}{c} 0 - 20 \text{ years} \\ 20 - 40 \end{array}, & - \\ 40 - 60 \end{array}, \\ \begin{array}{c} - 60 - 80 \\ 80 \text{ years} \& \text{ upwards} \end{array} \end{cases}$	742 197 255 313 60	721 210 227 305 70	712 170 243 274 70	707 178 261 257 63	789 166 235 239 72	713 186 222 244 46	667 186 250 2 3 5 55	658 172 229 247 69	672 177 289 248 51	669 155 254 220 48	798 165 239 231 47	800 174 214 231 52	823 157 249 250 43
Yunder 1 year - 1-5 - 5-20	369 286 87	337 294 90	360 251 101	339 266 102	335 307 97	349 250 114	285 280 102	297 267 94	318 262 92	\$39 256 74	423 281 89	428 281 91	445 277 101
Deaths from Small-pox " Measles " Scarlet fever - Diphtheria - " Whooping-cough " Typhus Enteric fever - " SimpleContafeve " Diarrhea and Dysentery - " Cholera " all the above- mentioned Diseases	6	1 67 15 18 86 1 6 - 21 -	62 12 25 99 - 3 - 11 -	70 17 21 88 - 8 2 17 -	1 94 15 24 91 - 6 - 10 1 242	88 14 25 78 1 3 - 10 -	91 11 20 75 1 7 1 8 1	100 111 24 59 - 11 15 - 221	99 15 19 66 1 24 2	101 7 24 52 2 9 - 51 2	100 13 21 57 6 2 85 4	99 20 22 66 - 9 - 107 4 327	104 12 19 56 - 6 1 111 1 310
,, ,, Dis. of Respira- tory System Phthisis - ,, , Dis. of Circula- tory System	345 154 119	326 143 140	301 139 132	300 154 124	294 117 121	259 116 117	229 138 131	240 139 122	215 131 120	206 136 99	244 115 105	225 132 108	216 150 117
Violent Deaths Inquest Cases - Deaths in Public Institutions	61 125 374	61 124 342	62 134 326	45 100 376	66 119 324	64 123 328	50 109 331	36 87 327	54 86 314	49 99 299	55 97 311	40 100 321	49 113 347
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	47·1 56·7 40·1	50·7 62·2 38·9	52·4 61·6 44·6	55·3 67·4 45·6	58·3 71·0 45·6	54.0 65.9 44.0	56.5 67.0 48.1	56.6 67.9 48.1	59.8 70.9 49.8	60.6 71.5 52.5	55.7 66.6 48.6	55·7 65·2 48·4	61·4 72·1 54·3
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	82 1·00 15·9	67 0·07 63·9	80 0.56 14.2	69 0·56 54·0	65 0·14 71·2	65 0·07 51·9	76 0·31 25·1	81 0·76 28·4	76 0·38 29·3	82 0·78 36·2	84 1·77 23·5	83 0·86 17·9	81 2·08 21·7
AL DIVINITION OF THE PROPERTY			-	-									

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F.E. S. swyer, Esq., F.S.A., Brighton: John Merrifield, Esq., L.L.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-luantion: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingnam; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-NINTH Week of the Year 1890.

	s tor the		Satu	the irday eaths	, 19t	erso	y 18	90.			for the		Bati	n thurda;	y, 19	th Ju	ly 18	90.	_
USES OF DEATH.	verages of the 30-89.		Į	Inde	he A	40.	.60.	. 80.	and	CAUSES OF DEATH.	Averages iks of the 1 1880-89.*				he A	69	60.	80.	id .
QUBES OF DEATH.	Corrected Averages 29th Weeks of the 1880-89.	ALL AGES.	0-1.	20.	5-20.	20 and under	40 and under 60	80 and under 80.	so Years a upwards.		Corrected A 29th Weeks	ALL AGES.	0-1.	1-6.	5-20.	20 and under	40 and under	so and under	50 Years and unwards.
LL CAUSES	1822.8	1522	415	277	101	157	249	250	43	Diseases of Organs of Special Sense †}	2.4	1	-	-	1	-	-	-	-
mall- pox Vaccinated Unvaccinated No Statement	3.8 3.3	Ī	-	-	1 1	1 1 1		-	i	Diseases of Circulatory }	98.0	117	1	-	11	16	43	42	4
easles	52·5 28·6	101 12	19	79	6	-	-	-		Croup	10.2	4	2	2	-	-	-	-	-
phus	0.0 1.1	ŀ	-	-	- 1	-	-	-	-	Bronchitis	22.8 2.0 22.8	113 73 4 22	81 15 - 6	23 27 1 6	6 -	3 7 1	15 7 1	81 11 -	7
fluenza – – – hooping-cough – –	23.2 0.0	1 56	19	36	1	-	1 -	-	-	ratory System}				_			_		_
iphtheria mple Continued and Ill-defined Fever -	18.1	19 1	1 -	11	7	1	-	-	-	Dentition † Quinsy, Sore Throat † - Enteritis Peritonitis	15.5 1.6 20.0 8.4	13 2 19	6 - 12 -	7	1	1	1 1 91 2	1 101 1	
nteric Fever	10.6	6 1	-	1	2 -	4	-	-	-	Diseases of Liver - Other Diseases of Digestive System -	36·2 84·7	20 82	2 11	-	1	4	9	7 8	1
arrhea, Dysentery - emittent Fever† ydrophobia	0.0 0.4		87	18	1 1 1	1 1	2 -	4 -		Diseases of Lymphatic System & of Ductless Glands †	1.9	-	-	-	-	-	-	-	-
wpox and Effects of \\Vaccination † \\	0.3	-	-		-	-	-	-	-	Diseases of Urinary System	84.2	45	1	1	-	8	16	18	1
marcal Affections – ysipelas – – – remia and Septicemia †	15·0 4·9 3·4	18 2	13	1 1		-	3	2 -	-	Diseases of Generative)	7.1	7			_	2	- 8	2	
terperal Fever her Zymotic Diseases †	8.6 2.3	5 -	- -	-	1 1	5 -	-	-	İ	Accidents of Childbirth-	3.6	4	-	-	÷	3	1	-	-
rush	5.5	3	8	-	-	-	-	-	Ē	Diseases of Locomotive System †	7.9	9	-	-	2	2	4	1	-
orms and other Para-}	0.2			_		_	-		Ė	Diseases of Integumen- tary System}	6.7	3	1	-	-	-	-	1	-
arvation, Want of Breast-milk †	2°7 4°5	1 13	1 -	-	+ +	4	9	-	-	VIOLENT DEATHS.§	*								
heumatic Fever. }	5.1	7	-	-	1	2	1	3		(ACCIDENT.) Fracture and Contusion Gunshot Wound Cut, Stab	19·1 0·2 0·4	13	-	5 -	8	4	1	3 -	-
heumatism †	3.5	2 2	-	-	-	1	1 -	1	Ŀ	Burn and Scald Poison Drowning	3'4 2'2 11'1	4 - 7	-	1 -	-	- 5	1 - 1	l -	1
neer	56.3	62	1	1 -	2,	6	25	- 27	2	Suffication Otherwise	9.7	7 2	6	-	ĩ	1	-	-	-
abes Mesenterica – ubercular Meningitis –	48.7 82.6	80	29 15	6 13	3	1 -	1	-	-	(Homicide.)									
nthisis	23.8	150 23	3 9	8	21	59 5	53	-	E	Murder & Manslaughter	1.8	4	8	-	-	1		-	-
ther Constitutional Diseases † }	5.8	7	1	-	1	3	1	1 _	-	(SUICIDE.) Gunshot Wound Cut, Stab	1.0	2	-	-	-	-	2	-	-
remature Birth telectasis †	41'1 2'7	43	43	-	-	1,1	-	-	-	Poison	1 5 1 4 2 1 1 9 0 8	4 -	1111		-	1	2	1	
ongenital Malforma-} tions	6·7 42·2	3 31	3	-	-	-	-	15	16	Otherwise	08	1	-	-	-		-	1	
poplexy pilepsy	37.3	40	1	-	_	3	9	23	4	(Execution.)	0.0	-	-	-	-	-	-	-	
onvulsions	6.8 65.4 93.6	9 81 86	1 25 17	6	2 -	1 - 2	2 - 15	23	- 4	OTHER CAUSES †	88.7	69	43	7	-	-	2	3)

mbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population on years average could not be correctly ascertained, the average for the eight years 1833-9 has been used. sees of small-pox only are returned as "vaccinated," or as "unvaccinated," which are so certified by registered medical men. When attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not corrided by a registered; the case is returned under the heading "no statement." as not case is returned under the heading "no statement." as successful the case is returned under the heading "no statement." are successful the case is returned under the heading "no statement." are suited as a value of a coldent, murder, and the case are classed under "accident or negligenes."

TABLE 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scart during the Week endi

						The	Da.	ATHS	regist	ered	in the	we.	ekin	elude		7	
	Enume			Deat	hs of	,		1 4	1 . 1 .		the fr					1	1
REGISTRATION	rated Fopu-	He.	.BB.	pril.	ds.					ough.	1	Fever.	er.	1	1	08.	Public ns.
SUB-DISTRICTS.	lation. 1881	Birr	DEATES	under of Ago.	s aged	pox.	**	Fever.	eria.	o-gui	of the second	o or	s con-	1000	.90	t Cases.	in
-	200-	Total	Total	Year	Persons Years	Small-por.	Measles	Scarlet	Diphtheria	Whooping-cough	Typhus	Enterie o Typnoid)	Simple tinued	Diarrhoa	Violence	Inquest	Deaths
LONDON · ·	3,815,704	2346	1522	445	293	-	104	12	19	56	-	6	1	111	49	113	347
West Districts	669,638	:83	285	78	67		23	-	2	4:	-	1	-	23	10	23	87
NORTH DISTRICTS	905,947	544 133	353 105	113 22	57 28	-	18	6	8 2	19		3 -	-	26	11 4	32	76 36
CENTRAL DISTRICTS -	382,288 692,738	434	295	91	48	-	14	-	4	16	-	1	1	93 83	10	25	74
ROUTH DISTRICTS - HOS-)	1,265,148	863	494	141	93	_	43	6	8	11	-	3	-	-	14	26	74
PITALS OUTSIDE REGISTRATION LONDON				-	-	-	-	-	-		-	-			-	-	
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69893 37880	43 9	25 20	8 4	3	-	5	-	-,			ī	-	1 3	3	5	11
Kensington Town Ww - W.M. & C.	190141 48010	63	48 10	15	13 2		1	-	-	1	-	-		-	-	1	14
St. Peter Hammersmith St. Paul Hammersmith Fulham Www W.M. & G.J. W.M. & C.	7899 64340 42900	47 59	23 50	11 20	4 4	-	3 7	-	2	2	-	-	-	7	2	2	11
Chelsea South HHH - C. C. Chelsea North-west WHHHHH- C.	80396 24925 32807	22 14 19	9 19 6	1 4 8	6	=	1 2		-	-	-	-	-	8	1	8	10
Chelsea North-east May Fair WW G.J. Belgrave WHHH C.	80353 59220	12 25	20 15	2	10	-	-	-	-	-	-	-	-	1 1 2	1	8	14 8
St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24679	25	9 7	3	4	-	1	-	=	1		-	-	-	1	1	1 1
St. James Westminster WHH N.R. &G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	10 7	5	-	2	-	-	-	-	-	-	-		-	1.	1	î.
NORTH DISTRICTS. All Souls Marylebone HHHHHH W.M. Cavendish Square HHHHH W.M.	26759 14391	13 1 9	15 3 7	ŏ - 1	2 1 1	•	1	-	1	=	-	-	-	1	-	1	7:
Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HHH G.J. & W.M. Christelburgh Marylebone HH - W.M.	24809 21118 33700	24 16	6	3	1 3	-	1 2	-	-	- 1	-	2		1 2	1 -	1 -	1
St. John Marylebone H W.M. Hampstead Www.HHHH N.R. & W.M	33633 45452	17 29	9	3	2	-	2	-	Ī	1	-	-	-	1	-	-	-
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M.	39115 27729 80247	14 15 21	17 10	2 5 2	1	:	1	-	1	=	-	-		1	ī	1 3.	11 2
Somers Town H N.R. Camden Town WH N.R.	34369 17311 87487	27 18 61	8 9 36	5 2 16	1 2	-	-	-	-	1 3	-	ī		1 3	.1	8 5	7 6
Unner Holloway WWWH ' N.R.	67948 10097 6	53 74	39 41	13 17	13	-	2 2	ī	3	1 5		-	-	3 4	2 2	8 5	18
Islington South-east N.R. Highbury H N.R.	61895 52048	35 17 8	19 6	6 1 8	7	-	-	-	-	1 - 4	-	-	-	2	-	-	-
Stoke Newington H - N.R. Stamford Hill - E.L. West Hackney H - N.R.	92781 9277 37610	10 19	9	2 4	2 9	-	1	-	-	2	-	1		-	ì	1	-
Hackney Www.H - E.L. & N.R. South Hackney E.L.	76911 39383	19	19	8	5	-	1	5 -	4 -	1	-	-	-	1 4	1	1	23
CENTRAL DISTRICTS. St. George Bloomsbury N.R. St. Giles South WH N.R.	16681 14864	9 2	15	2	3	-	-	-	-	:	-	-	1	1	:	-	5
St. Giles North N.K. St. Martin-in-the-Fields HH N R. & C.	18887	7	12	1 2	6	-	1	-	1		-	-	-	1	1	3	6
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	3 1	9	8	1	-	-	1	1	-	-	-	-		1	ī	6
St. Geothe-Martyr HHHHHHH N.R.	18671 10706	6	11	3 3	-	-	1	-	-	1 1	-	-		1	- 1	ī	4
Saffron Hill H N.R. St. James Clerkenwell N.R. Americal Clerkenwell N.R.	6538 17516 19281	13 6	2 2 3	1	1	-	-	-	-	-	-	-	1	-	3	1	-
Pentonville N.R.	14778 17506	17 8	10 J.	1 2	6	-	-	-	=	1		-	-	1.	1	2	
City-road HHL N.R. Whitecross-street N.R.	11541 18628 9217	16	2		1	-	-	-	-	1	-	=	-	-	2	=	1
Finsbury Holborn Union Workhouse, Mitcham, w.	7438	2	1	=	ī		-	1:	-	-	-	=	-	-	-	=	ī
St. Botolph H N.R.&E.L. Cripplegate N.R. St. Sepulchre H N.R.	11174 7193 5358	2 3	1 14	1	1 1 2	-			-	1	-	-		:	- 1	-	19
St. Bride W N.E. Allhallows Barking N.E.	8896 18666 5652	5 4 1	2	3	1	-	-	-	-	-	-	=		1	1:	ī.	13
Broad Street H N.R.	050%	1				1 -		1	-	-	-	-	-	1 -	1 -	-	-

NOTE.—The Italie letters placed against the names of the suo-districts denote Public Institutions situated therein, namely: W—W. house; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishm receiving immates from other Districts than that in which it stands, (see note at the foot of next page). The Roman capitals signify she W. Companies which supply the different sub-districts:—; J. signifies Grant Junction Company; W. M. Wert Middlesex; C. Chelsen; S. Southward Vauxhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

R, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district

							1.00	DEA	TH8 I	registe	ored 1	n the	Weel	7 11101	nas			
	Enume-			Deat	hs of					Death	s from						0	. 20
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Biarns.	Total DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fever.	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
EAST DISTRICTS. ch South HL^* - N.R. New Town w N.R. Old Town N.R. ton WH - N.R. & E.L.	22848 29937 28036 46275	11 20 14 85	10 10 6 23	3 1 2 7	1 8 - 4	1111	1	1111	1111	1 1 1 -	1111	1111	1111	1 1 2	1 - 2	- 2	1 1 7	1
Green North H - E.L. Green South - E.L. Green East WHL^* - E.L.	51157 34399 41405	33 26 32	14 8 23	6 2 7	2 1 5		111	111	1 1 1	1	111	111	-	1	1	3	9	-
dS -	22585 15478 17490 9713 6102	10 16 12 7 4	7 12 16 2 4	8 4 1 2 2	1 2 - 1	11111	1 - 1	1111	1	1	11111	11111	11111	2	1	1 2 - 1	6 13	11111
ge's North - E.L. , St. George East W - E.L.	8874 7 8410	28 2	10	2 4	3	7	2	-	1	2 - 2	-		-	3	1	î -	8 7	-
H - E.L. N.R E.L.	10395 16107 82041	8 14	19 4 11	9 6	14	- 1	1	-	1 -	ī		1	-	ī	1 -	1 -	-	1
d Old Town West H E.L. d Old Town East WwwH-E.L.	87960 67653	23 40	10 29	5 10	5	-	2	-	ī	2	-	-	-	1 2	-	1 1	5	-
wwwH E.L.	37074 64359 55077	17 40 28	16 31 20	8 6 6	1 6 - 2	1-1-1	1		1 . 1	3 -		111	ī	2 3	2 -	6 2	14	
SOUTH DISTRICTS. THE SOUTHWARK S. Ad ! S. & L. I-road WH S. & L. Nowington - S. & L. Y Walworth W - S. & L. L. & S. L. & L. L. & S.	18663 14999 21381 15958 21318 26672 59555 21623	10 9- 12 17 10 8 89 11	5 4 12 10 8 9 14 5	1 - 4 5 3 6 5 4	12 8231	11111111	111212	1	1111111	1111111	1111111		1111111	2 2 1 1 3	1111111	1 2 -	5 -	1
e WH S. & L. Market S. & L. Magdalen W S. se Bermondsey - S. ithe WH S. & K.	11956 16300 15669 54682 36024	11 8 7 36 27	16 5 14 13	3 2 1 2 4	1 3 -	11111	- 28	11111	1	1 1	11111	11111	11111	1 1 1	1 1	1 3 1	11	1111
0-road lat H - L. & S. 10-road 2nd H - L. & S. h Church 1st H - L. & S. h Church 2nd WW - L. & S. ton 1st S. & L. ton 2nd - S. & L. ton 2nd - L. & S.	15195 16351 19876 39859 45232 85332 62837 19017	9 15 17 22 22 18 88 6	1 7 14 25 14 7 18 4	- 5 3 7 7 3 6 2	1 4 5 1 5 2	11111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 - 1	1111111	1 1 1 1 1 1	1111111		1111111	1 1 2 2	1	1 1	1 7 5 - 1:	1
tterses	54675 52587 36380 28004 13235 25553	49 47 15 32 10 18	29 35 9 16 4 11	10 11 2 6	3 9 2 4 1 2	111111	7 7 1	11111	111111	1.11118	111111	11111	11111	46 - 1	1 - 2 1 -	1 2 1 -	9 1 4	0 1 1 1 1
	5590 59104 71089 50810	50 44 32	1 41 20 16	- 8 4 7	8 3 1	1171	1 2	1111	1111	3	1111	1111	1 1 1 1	1	1 1	1 1 1	16	
Deptford www K. olas Deptford K. ich West H K, ich East WHH K.	76752 7901 21972 24608	79 6 10 25	24 2 5 19	8 - 1 3	5 1 2 3	1111	3 - 6	3 -	1 1 1 1	1	1111	1	1111	1111	1	2 - 2	8	
H K. m WH K. am H L.	5048 21559 19865 26076	5 9 18 15	- 4 6 6	1	2 2 1	1111	9 1 1 8		1 1 1	1111	1111	1111		111	- - 1	ĩ	1	
h HII - K. sh Dockyard - K. sh Arsenal HH - K. ad, West H - K. ad, East W - K. litan Asylum Hospitals; ford w	10930 17617 19048 14009 19241	2 11 8 8 18	4 4 4 5 9	3 - 1 3	1 1 - 2	1101	- - 1		1	10111	11111	1,111	11111		11111	11111	1	

following Workhouse Establishments are indicated in the above Table by w (see note at foot of preceding page): -

tollowing Worksoffse Errahamments are indicated in the adtylebone Infirmary in Kensington Town sub-district,
born infirmary in Upper Hollowsy sub-district,
in the City Workhouse
born
identification New Town sub-district,
iden City

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

Mile End Old Town Eastern sub-dist.

And Bromley sub-district,
and Bromley sub-district.

anis by to (see note at 1000 of preceding page):—
Stepney Workhouse in Bromley sub-district.
Poplar & Stepney Sick Asylum
Westminster Union Industrial School in West Battersea sub-district.
St. Saviour's Infirmary in Camberwell sub-district.
Metropolitaa Asylum District Hospitals in Fuluam, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.
Strand and Holborn Workhouses outside Registration London.

TABLE 6.-LONDON.-OUTER RING. - AREA; POPULATION; BIRTHS and DEATHS registered during Week ending Saturday, 19th July, 1890.

				W	eek er	nding	Satu	rday,	19th	July	, 1890	J.					
Regis-		Area				-			The D	EATHS	regist	ered in	a the	Week	include		
tration		in Acres,	Enume-			Dea	ths of				Death	s from	1				
District	REGISTRATION	inclu-	rated	HS.	HS.	=	080 ds.		1 .	1		gb.	I	1	1		blic
Sub-	SUB-DISTRICTS.	Tidal	Popu-	BIRTHS	DEATHS	under of Age.	aged 60 & upwds.			Scarlet Fever.	1	Whooping-cough				R.SOS.	Deaths in Public
district		Water	1881.	BI	D	a g	18 8 8 &	Xod	98.	t He	heria	ping	١.	1008.	.001	C S	s in
Num-		Fore-	-			Infants	Persons Years	Small-pox.	Measles.	arle	Diphtheria	noon	Fever.	Diarrhos.	Violence.	Inquest Cases	nath
		BHOTO.				H	Pe	52	×	30	ā	<u>*</u>	54	ia	<u>></u>	- I	Q
LO	NON-OUTER RING	370,924	950,957	796	378	118	81	-	25	-	4	8	2	19	18	30	42
30:1	Carshalton wL - Epsom (part of)* WwH	12228	21118 10710	12	12	1	5	-		-		-	-	1		_	7
37:1	Godstone (part of) * -	2754	1235	-		-	-	-	- :	_	~	-		-		-	-
38:1	Croydon Ww L -	20851	101241	68	47	12	9	-	4	-			-	1.	-	1	9
2	Mitcham w †	11697	17982	7	5	-	-	-		-	1-	-	-		1-	-	-
39:1	Wimbledon HHH -	3220	15980	18	8	1	1	-	-		1	-		; [2	-
8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	19	11	8	3					-	-	-	1 -	-	1 -
4	Hampton H	4573	13539	9	1	1.	-	-	-	4		-		-		-	-
40:1	Richmond WH	2272	21302	9	5	1	2 -	-	t -	1-	-		-	1	1	1	2
41;1	Mortlake Bromley (pt. of) * HH	2941 15669	12331 81142	30	18	1	3	-	8						1	1 2	
2	Chishrst(pt.of)* WHH	14307	15844	7	7	6	1	-	-		-					-	1 -
42:1	Bexley H	18487	24134	20	7	2	1			II-I	en		-		1	1.	-
3	Dartford (Ww, pts. of)*;	-	-			-	-1	-	1-1	-		2	l-	-		- 1	-
124:1	Sunbury w	11055 13277	11688	6		- 8			-	1		1				-	-
125:1	Staines W Hillingdon WHH -	6029	10802	5	7 5	1	2		Ţ						-	1	
2	Uxbridge	6178	5225	1	-		-	-	1 -		-	; = 1			-	-	_
8	Hayes wHL	14587	11528	8	. 8	- 1	3	-	-	· -	-	, -	-	-	-	-	2
126: 1	Isleworth WHH -	7008	22727	8	9	8	2	-	-	-	-		1-		~ .	1	2
8	Twickenham H Brentford HL	2477 4845	12479 27649	3	8	1	5	-	1	_	_	-	_	1		1 [1
4	Chiswick	1340	15975	18	8	1	- 1	-	-	-	-	-	-	13	-	-	-
5	Acton wH	6088	22876	19	14	-	1	-	-		-	-	-		-	-	-
127:1	Harrow H Edgware H	13809 6994	12796 3749	6	8	-	-	-			-	-		H			-
8	Willesden	4383	27453	85	13	5	3	**	2	-	-	-	1	1	-	3	
4	Hendon W '	8382	10484	10	8	5	2	-	-1	-	-		-	- 2	-	-	3
137:1	Bushey Watford (W, pt. of)* -	9831	6621	. 5	2	-	. 1		-	-	-	-		-	-	-	-
128:1	South Minms	15599	6391	8	4	2	1	_	-					آزا			-
2	Barnet	54 88	10092	6	1		-	-	-	-	-				_	-	-
- 8	Finchley HL	4638	17615	13	10	1	-	-	2	-	-	-	-		-	-	3
185:1	Hatfield (part of) * -	8806	583		-	*.	-	-	-		-	-	-	-	-	-	-
129:1	Hornsey $H-$ Tottenham H	8039 4642	37078 46456	83	17	5	6	-	1	-	-	1	-	-	2	2	-
8	Edmonton Ww ; -	7488	23463	56 26	81	16 3	3	-	8	_		2	-	I	3 -	4	1 1
4 5	Enfield WH Waltham Abbey	12653	19104	21	12	8	2	-	1	-	-	1	-		1	1	1
6	Cheshunt	11017 8480	586 8 7735	7	1		1	-	-	-	-	-	-			1	-
186:1	Stratford	882	38606	25	10	6	1	-	_				_	1	1	1	1
2 8	West Ham wwH -	4055	90347	114	40	13	6	-	-	-	2	1	1	. 5	8	6	2
4	East Ham www Leyton WwL	3296 4372	10706 32430	80 33	6 23	8	1 10	-	-		-	1	-	1		-	-
5	Walthamstow H -	6520	28869	28	9	3	1	-	1	-	1	-	-	-	_	-	5 -
187:1	Chigwell (part of) * H	11761	9669	3	3	2	-		-	-	-	-		2	-	-	-
189;1	Epping (W, pt. of)* -	6730					-	-		-	-	-	-	-	-	-	-
2	Romford (part of) * W	8493	3411 7645	5	1	1 -	1	-	-		-	1- 1	-	60	-	-	-
8	Barking Town	4127	9203	12	8	1	1	-	-	-	-		-	1	2	2	
8	Barking Town	4127		_				-	-	-	-	-	-			2	-

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as folious 23:2, Epsom sub-district, except the parishes of Ashatead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farisy in Goddsowick district; 38:3, Esher sub-district, except the parish of Esher (pop. 1983); 41:1, Bronday sub-district, except the parish of Chelsfield (pop. 1813); 41:2, Chischurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hat sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 847); 135:1, the parish of Northaw in Hat also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:2, Epping, sub-districts.

**Exclusive of deaths of London residents in the Holborn Union Workhouse (see Table 5).

**Exclusive of deaths of London residents in Metropolitan Asylum Hospital (see Table 5).

**Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolitan Metr

LE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 19th July, 1890.

	A.rea			L RATE			The Dz	HTA	s regi	stere	d in t	he W	reek.	inelud	le	
EATER	Acres, including	Estimated Population,		O living.	DEATHS from	Deat	ths of]	Death	as fro	m			blio
ONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoes.	Violence.	Deaths in Pul
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.		11.	12.		14.		-
R LONDON	448,334	5,758,500	17.2	3.3	1900	563	374	_	129	12	23	64		130	67	389
R RING -	77,410 370,924	4,421,661 1,336,839	17·9 14·7	3.6 2.3	1522 378	445 118	293 81	1 10	104	12	19	56 8	7 2	111 19	49 18	347

^{.—}The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 Foreign CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

j	POPULATION	DATE			ANNUAL	DI	SATHS	FROM	PRIN DISEAS	ES.	ZYMO	
TIBS.	(enumerated or estimated).	OF RETURN Week endin		DEATHS. of Stillborn.	DEATH- RATH- per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoal Diseases.
TTA	433,219	May 3	1 -	147	17.7	5	-	_	_	2	44	23†
T	773,196		4 287	317	17.8	2	-1	9	. 9	2	96	26
A.8	398,777 {		0 358 6 367	291 286	37·9 37·3	1	10	2	5	5	99	27
	2,260,945	July 1		834	19.2		46	6	36*	?	86	31 66
aubourgs.)	477,288	, 1	- 14	176	18.7	-	2	-	20.	1	3	11
RDAM -	406,302	' ₁₀ 1	2 258	144	18.4		7	1	-	2	1	
RDAM -	203,486	. , 1	2 144	59	15.0	-	-		-	1		_
LAGUE -	156,497	, 1	2 101	66	21.9		5		1	/-	-	
HAGEN -	812,387	₁₀ 1	2 210	122	20.4	-	13	1	3	_	_	11
HOLM -	236,350	39	5 128	80	17.6		-	5	1	. 4		10
TIANIA -	143,300	. , 1	2 58	47	17.0	-	-	1	2	-	_	12
TERSBURG	842,000	10	5	485	27.4	5	29	22	8		10	92
X	1,526,887	June 2	8 965	623	20.9	-	14	2	25	11	2	115
URG(State)	575,276	July	5 -		-		- 1	-	~	-	-	-
DEM	269,250	39 ,	5 166	111	21.4	-	6	1	4*	_	3	8
AU	324,400	, 1	1	200	32.2	-	-	2	. 6*	2	-	40
CH	298,000	,, 1	11	171	29.8	-	6	~	3*	~	~	46
· -	822,176	ր 1	11	324	20°5	2	20	2	2	1	100	37
Drawer .	314,425	" 1	1	180	29.9	1	11	5	10	1	3	2
PRSTH -	463,017		5 328	276	31.0	77,	7	1	12	-	4	53
TE	160,092	, 1	2 99	66	21.4	-	~		1	-	-	13
	418,217	June 1	4 208	167	21.8		12	-	6	1	3‡	25
(10 days)	314,827	» 2	- 11		1-	- 1	-	-	~	-	-	- 1
2	156,515	20 2	8 78	60	20.0	4	-		1	04	1	10
	374,838	, 2	6 333	312	43.3	-	-	-	1	2	26	105
ANDRIA -	231,396	99 2	6 164	171	38*4	-	-	-	2*	-	10	46
YORK -	1,617,997	" 2	8 -	875	28.2	_	27	6	27	11	1	208
CLYN .	859,612	» 2	8 -	473	28.7		4	. 1	19	6	8	140
- AIHTAIM.	1,064,277	. 39 2	8	526	25.8	-	1	2		2	10	104
MORE -	500,343		5 -	242	25.2	-	3	3	4	1	5	74
ORLEANS -	254,000 {	June 1		173 166	35.5 34.1	-	2	-1	-	1	5 3	27 28

<sup>Including deaths from croup.
Including 7 deaths from cholera.
Including 1 death from malarial feyer.</sup>

TABLE 9.-METEURULOGICAL OBSERVATIONS taken at the ROYAL UNSERVATORY, GREENWICH, during the Week ending Saturday, 19th July, 1890.

	_								17	1616	or oto	yw	us 00.	servatu)768.¤				.*		-
			Охоне	6.61	8.0	0.0	0.0	0.0	0.0	0.0	₹.0	27	a; no	r, are ission r, and ading	the air	ygro-	and "	and the	The snd	show to the	69 in.
	Rain	in a Gauge Whose	surface is 5 inches above the Ground.	in. 0.00	00.0	00.0	10.0	61.1	29.0	0.31	Sum 2.08	26	vel of the sea; The means of	rmomete m a discu arometer mean res	re of th	photogr	1875. "higher,"	wo feet l Deptford, ons from	rometer.	s Sunshine Instrument, show understood as applying to the	sek to 29 .
1			Depar- ture from Average of 16 Years.	Miles.	+153	+ 19	-111	88	+ 71	+126	Sum +265	25	an level	bulb the uced from for the bourected	mperatu	on of the	ending	oth of triket at]	ng Electiderate;	nine Inst	of the we
1	.8.	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	382	249	119	143	302	358	Sum 1877	24	e the me	the wet tions ded ling 1873 7ith the c	the mean daily value of temperature of the air temperature of the ai	discussic	that + in	d at a del Sattle Ma under	registeri	Campbell-Stokes Sunshine Instrument, show son day.	9.71 in. at the beginning by 9h. A.M. on the 16th;
-	nometer	he	an 24 urly 8.	lbs.	0.2	0.0	0.0	0.0	0.1	\$.0	:	23	et abov sea lev P.M.;	er, and correctars encurs ers. Wers.	ily val	rom a	for the mind	reign (larket,	weak	ell-Stol	at the
ı	m Aner	Pressure on the	Least.	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fe uce to n; 3h.	nometanon of nometanomet	an da ature	rived in	scords me in	are sus the Fo	ve; w	ampho h day.	71 in.
	nced fro	Press	Great.	lbs.	8.4	1.0	0.0	6.1	2.5	3.0	:	21	eter is to red	thern oplication of twe of thern	emper	nat de	etric re	ames ser of trik of	om Th	the C on eac servat	om 29
	Wind as deduced from Anemometers	Osler's.		WSS	SSW. & S.	W. &. WNW.	NE. & ESE.	E. & WSW.	WSW. &	N. & NNE.	WSW.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the	evereatings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1878 for the barometer, and chinic the twenty years ending 1886 for the thermometers. With the correction mean reading of the correction mean reading of the correction mean reading the correction means of the reading of the correction of the correctio		metrical Tables. The average temperature of the sir is that derived from a discussions of the abbusis appropriate the sir is that derived from a discussion of the photographic content and the sir is that derived from a discussion of the photographic content and a discussion of the photogra	of the air from a discussion of the anemometric records for the 16 years ending 1875. In reading the columns 9 and 201t will be borne in mind that + indicates "high "touchy," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below ne suriace, at the end of one of the jetties of the Foreign Cattle Market at Deption, and neir readings are registered by the Clerk of the Market, under instructions from the operation of London.	The record of Blectricity is derived from Thomson's self-registering Blectrometer, symbols on pupped are : I. positive; N. negative, w. weak; m. moderate; s. strong v. variable.	The numbers in column 28, derived from the Campbell-Stoke the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be	vil (day, or from madurght to midmight.) The reading of the barometer decreased from 29.71 in. at the beginning of the week to 29.769 in. 7 bh. a.m. on the 14th; increased to 29.92 in. by 9h. a.m. on the 16th; decreased to 29.75 in.
yal.]		General Direction		Wass	SSW. & SW.	SSW. &	WSW.	E. & NE.	WNW. &		SSW. &	19	f the cistern been applied to are usually ta	the baromete mean daily w phic records I nty years end	and minimum thermometers, forming (column 8). The mean daily dew point	metrical Tables. The average temperature of the air is	of the air from a discussion of In reading the columns 9 are "lower," than the average	The thermometers in the water the surface, at the end of one of their readings are registered by Cornoration of London.	The record of Electricity symbols employed are: -P.	s in column 29 luration of br of all the me	civil day, or from midnight to midnight. The reading of the barometer decreased by 9h. A.M. on the 14th; increased to 29
er Ro	rai .	Of the Water of the Thames	Low-	61.1	61.2	62.1	62.8	9.09	63.5	63.8	62.1	18	ight on has hard	ngs of d into otogra	s). T	Table	from ding t	ermon vce, at adings	emple	imber egate sults	by, or free seading on A.M. on
ronom	ATUR	Of the	High- est.	61.6	8.19	62.6	63.6	61.5	9.89	9.49	62.8	17	The he	a-readi nverte the ph ring th	d min	metrical Tables. The average to	the air	The the surfa	The rembols	The nu e aggr The re	ril day The re 7 9h. A.
[Under the Superintendence of the Astronomer Royal.]	TEMPERATURE	Of Radiation.	Lowest on the Grass.	69.3	56.1	22.0	43.0	49.1	55.5	42.2	49.6	16	3	L	3 3 5			220		43	CI
ice of	H	1	High- est in Sun's Rays.	0 119.8	124.0	143.8	6.811	110.0	128.8	123.0	123.3	15		and fine in after- fine rain at night.		y cloudy	idy afte	terward sontinu	it clour	erward	
tender		Degree of Hu- midity	Saturation equals 100).	96	88	29	20	06	83	00 10	81	14	KS.	fine irain at		partially	lly clou	w. and order of	fine by with	fine aft	
uperin	ween	rature int re.	Least.	0.0	1.0	8.0	9.0	0.0	0.0	0.0	7.0	13	MAR	ly and th fine		and	; partigat 11h.	g; over	rning;	ning;	
the S	ence bet	the Air Temperature and Dew Point Temperature.	Great.	19.8	0.11	19.9	8.02	6.11	16.7	13.6	15.3	12	GENERAL REMARKS	; elouerde, wi		g; fine	orning of rain	morning g abou	ib. P.M.	in mor	
Under	Differ	the Air and Ter	Mean daily value.	0.8	9.4	7.11	0.01	3.0	2.1	£.5	2.3	12	NER	norning		morning;	ss in m	dy in dealling reater	4. and 8 r rain	rain till ev	
		Of the Dew Point.	Mean daily value.	0 12	58.1	54.5	52.6	0.09	54.3	9.19	50.00	10	GE	st in rereast	-	in	cloudle	ut clou	64h. P.1 st with	st 'with	
	RE.		De- parture from Average of	0 0 0	2.0 -	+ 2.2	6.0 -	- 0.2	0.4 -	2.4 -	- 2.0.	6		Overcast in morning; cloudy noon; overcast afterwards, with	Cloudy.	Overcast afterwards.	Fine; cloudless in morning; partially cloudy afterwards, with a shower of rain at 11h. P.M.	Fine b	saing with especia newhitess quring a quantermornic between 6th. P.M. and 8th. P.M. and 8th. P.M. and St. P.M. Overcest with rain in morning; fine but cloudy in afternoon; overcest atterwards, [with rain at.	night. Overcast 'with rain in morning; fine afterwards; partially cloudy till evening; sloudless at night.	
		ir.	Mean daily value.	0	62.7	62.9	62.6	0.89	29.4	1.99	61.4	00	Sun above Horizon, in hours.	16.2	1.91	1.91	1.91	0.91	0.91	16.0	Sum 112.5
	TEMPERATU	Of the Air	Daily Range.	0.61	12.3	18.6	24.7	18.0	15.5	16.6	17.8	-	ne, Ho		-						1
ı			Low-	68.1	58.3	0.89	2.64	2.99	55.2	49.5	54.3	9	Registered Sun above Sunshine, Horizon, in hours.	1.6	1.6	6.4	2.4	0.3	1.6	60	Sum 21.7
			High.	0.04	9.04	9.94	74.4	74.2	0.14	1.99	72.1	1 16		•	•	•	fter-	P.M.; after-	A.M. ;	with	
	BAHO-	Mean daily reading	cor- rected and re- duced to 32° Fahren- heit).	in.	29.699	F94.65	206.62	29.688	29.63	29.778	29.745	4	ELECTRICITY. (For explanation of symbols, see Note.)			w. P. generally	and v. F.	till 2h. r id s. P. a	till 6h. A	w. P. generally, with s. N. between 6b. A.M.	
			of the Moon.		: ;	Greatest	Dec. N.	New.	Apogee.		:	00	ELE (For ex	w.P.	W. P.	W. P.	v. N. and v. P. in morning; w. P. afterwards.	w. P. till 2h. F g. N. and g. P. a wards.	v. N. till 6h. w. P. aiterwards.	W. P. g	and 7h.
			CATA PARTS	27	14	15	16	17	18	119		ol.		• 13	. 14	. 15	16	. 17	· ·	. 19	
		1890.	Монти анд Дат.	JULY.	Mon.	TURB.	WED.	THURS.	FRI	BAT.	MEANS	No. of Col.	DATE JULY.	SUNDAY	MOVEAT	TA Las DAY	Wednesday	TRURSDAY	FRIDAY	SATURDAY	
	-				_	-	201		-					-	-	-			-	_	

OFFICIAL COPY.

WEEKLY RETURN

OR

BIRTHS AND DEATHS IN LONDON

NI CHA

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, FAST HARDING ST., FETTER LANE, E.C.

No. 30. 1890. Vol. LI.]

WEEK ENDING SATURDAY, JULY 26.

Price 11d.

General Register Office, Somerset House, 28th July, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 17.6 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks ending	! Bless under Ave.	Weeks ending
Towns.	July July July July July 26.	Towns.	July July July July 5. 12. 19. 26.
Bradford - Brighton - Bristol - Cardiff - Derby - Halifax -	18·4 18·4 15·4 18·4 16·9 19·2 16·9 16·9 14·3 18·1 16·9 13·1 25·2 24·3 18·9 20·3 20·2 13·9 14·7 17·8 6·7 16·4 15·2 15·6 21·8 13·8 17·8 18·7 14·5 17·6 11·9 11·9 18·4 15·3 19·1 14·6	London Manchester - Newcastle-on-Tyne Norwich Nottingham - Oldham Plymouth Portsmouth - Preston	16·7 22·8 19·4 21·0 17·5 17·4 17·9 16·7 25·3 23·1 26·2 24·5 18·9 25·3 21·8 24·6 12·6 10·4 14·2 18·0 14·1 12·8 15·5 16·2 16·3 19·9 12·1 13·1 17·2 21·8 21·2 15·9 12·8 13·1 10·9 11·7 21·3 18·8 20·8 18·3 17·8 20·0 14·4 23·2
Huddersfield Hull Leeds - Leicester -	14·4 14·4 15·5 17·7 14·6 11·7 12·4 14·4 20·4 18·1 21·6 17·3 16·6 19·9 19·6 16·6	Sheffield Sunderland -	17.6 19.9 18.0 19.9 13.8 12.5 16.3 18.1

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.0 in Birmingham and in Birkenhead, 1.1 in London, in Liverpool, and in Bradford, and 2.6 in Plymouth; from scarlet fever, 1.0 in Manchester, and 1.3 in Liverpool; and from diarrhæa, 2.2 in Norwich, 2.5 in Birkenhead, and 5.1 in Leicester. The rate from whooping-cough and from "fever" did not reach 1.0 per 1000 in any of the twenty-eight towns. The 39 deaths from diphtheria included 20 in London, 4 in Salford, 3 in Newcastle-upon-Tyne, 2 in Liverpool, 2 in Manchester, and 2 in Portsmouth. No death from small-pox was recorded in any of the twenty-eight towns.

LONDON.

In LONDON 2512 BIRTHS and I418 DEATHS were registered. Allowing for increase of population, the births were 263, and the deaths 448, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.5, 17.4, and 17.9 in the three preceding weeks, declined last week to 16.7. Thus, during the first four weeks of

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 63356.—4. 635.—7/90. Wt.

the current quarter, the death-rate per 1000 averaged 17.4, which was 3.4 below

the mean rate in the corresponding periods of the ten years 1880-89.

The 1418 deaths included 94 from measles, 13 from scarlet fever, 20 from diphtheria, 62 from whooping-cough, 2 from enteric fever, 107 from diarrhœa and dysentery, one from choleraic diarrhea, and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 299 deaths were referred to these

diseases, being 252 below the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 9; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and only one in the Highgate Small-pox Hospital. The deaths from measles, which had been 99 and 104 in the two previous weeks, declined again last week to 94, exceeding the corrected average, however, by 42. The fatal cases of scarlet fever, which had been 20 and 12 in the two previous weeks, were 13 last week, and were 20 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1439 scarlet-fever patients at the end of last week, the numbers on the nine preceding Saturdays having increased from 1067 to 1414; 135 cases were admitted during the week, against 153 and 159 in the two preceding weeks. The 20 deaths from diphtheria exceeded the number in the previous week by one, but were one below the corrected average. The deaths from whooping-cough, which had numbered 66 and 56 in the two preceding weeks, increased again last week to 62, and exceeded the corrected average by 14. The 107 deaths from $diarrh\alpha a$ were fewer by 4 than the number in the previous week, and were again less than one-third of the corrected average; 102 were of children under five years of age. The death of a male, aged 45 years, in the Fulham Union Infirmary, was attributed to "choleraic diarrhea."

The deaths attributed to enteric fever, which had been 9 and 6 in the two previous weeks, further declined last week to 2, and were 12 below the corrected average. The Metropolitan Asylum Hospitals contained 48 cases of enteric fever, and 4 of typhus, on Saturday last; 8 cases of enteric fever were admitted during the week, against 5, 7, and 5 in the three preceding weeks.

The deaths referred to diseases of the respiratory organs, which had declined in the three preceding weeks from 244 to 216, further fell last week to 185, being

one below the corrected average.

Different forms of violence caused 56 deaths, concerning all but 2 of which inquests were held. Of these 56 deaths, 8 were cases of suicide, and 2 of murder or manslaughter, while the remaining 46 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 7 by burns or scalds, 1 by poison, 8 by drowning, and 7 (including 6 of infants aged under one year) by suffocation. The death of a laundress, aged 18 years, which occurred in the Fulham Union Infirmary, was certified to have resulted from " sunstroke."

GREATER LONDON.

In Greater London 3258 births and 1746 deaths were registered, corresponding to annual rates of 29.5 and 15.8 per 1000 of the estimated population. In the Outer Ring 18 deaths from measles, 17 from diarrhea, 11 from whooping-cough, and 6 from diphtheria were recorded. The deaths from measles included 4 in Croydon and 4 in Tottenham sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.93 ins.; the highest reading was 30.07 ins. on Sunday at noon, and the lowest 29.77 ins. on Thursday afternoon. The mean temperature of the air was 61°.6, and 1°.2 below the average in the corresponding weeks of the 20 years ending 1868. The mean was somewhat above the average on Tuesday, Wednesday, and Thursday, but showed a deficiency on each of the other days of the week, amounting on Sunday to 6°.5. The general direction of the wind was Westerly, and the horizontal movement of the air averaged 11.7 miles per hour, which was 2.1 miles above the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0.08 of an inch. The duration of registered bright sunshine in the week was 44.6 hours, against 63.4 hours at Glynde Place, Lewes. the week was 44.6 hours, against 63.4 hours at Glynde Place, Lewes.

. See note on first page of this Return,

-	-		-			-		-		_		_		_	-	-	-		-	-	-	-		_	-		-			
	CITIES	B	Cols.	- 28 TOWNS.	LONDON.	PORTSMOUTH.	NORWICH.	BRISTOL.	WOLVERHAMPTON	BIRMINGHAM.	LEICESTER.	DERRY.	BIRKENHRAD.	LIVERPOOL.	Borron.	MANCHESTER.	Ornua M	BLACKBURK.	PRESTON.	HUDDERSFIELD.	HALIFAA.	BRADFORD.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINETEGH.	GLASGOW.	DUBLIE.
	ALT.	In Centi- metres.	24.	69.0	0.50	1 1	1 000	98.0	0.74	•	1	0.21	1	1.45	•	2	8 1		•	•	1	0.74	1 1	1.02	1	8	1	0 . KG	1.14	1.40
	RAINFALL	*sodonI nl	23.	0.57	80.0	1 1		0.34	0.59	1	1 3	08.0	1 1	19.0	•	1	1			1	1	0.59	1 1	0.40	1	1	1_	00.00		
AIR.	esn.	Centigrade.	22.	11.9	6.44	1 1	1	16.72	14.82	,	1	4.61	1 1	88.4	1	1			1	1	8	68.41	1 1	4.11	1	1	ı	1. 11	14.22	14.61
OF THI	Me	·liadrenda'i	21.	2.69	9.19	1 1		60.3	57.6	1	•	28.3	, ,	28.7	1			8 (8	•	6	1 1	57.4	1	ı	1	-	27.6	_
TREFERATORS OF THE AIR.	9	Peit Lowest	20.	0.9	1.4	1 1	1 9	0.20	4.9	1	1	80	1 1	2.49	1	1	1	8 1		1		9.95	1 1	0.29	1	ı	1	1000	45.0	
PRACPES	-3	Hahrenheit Lowest	19.	78.1	1.84	1 1		72.0	1.11	1	1	73.0	, ,	0.69		1						20.02	• •	74.0	1		1			8.11
	-	From Diseases in Cols. 6-12.	18.	3.0		1.1	3.3	-	9.0	3.0	7.0		0.4		50	0.8	7.0	1.6	1.2	0.0	9.0		0.7	1.0	8.0	3.5	PB PS	-	6.7	
Annual Kate	corresponding to the	From All Causes.	17.	9.21	2.91	2.11	18.0	9.91	18.1	16.9	9.91	6.11	18.4	0.13	e . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 .	24.2	7.27	18.1	18.8	17.7	9.71	17.8	17.8	4.4	6.61	24.6	18.1	-	0.13	2.02
-	l'usw	Uncertified and lo sesus	16.	52 1	10	- 1	1	1 1	1	1		03	67	00		9		3 -	1 1	-	63	-	- ·	0 0	67	1	3	-	_	18
П		Deaths in Palis Public Incident	15.	574 5	\$33	- 63	1 10	17	10	27	-	= *	1 41	3	-	50 i	. E.	9 0	1 00	4	4	9	90 0	77	4	9	9			8 8
	1	Sua'D dasarpml	14.	212	11	: -	CQ	1 63	1	12	64 1	ia 1	61	14	00	13	10 6	20 0	1 91	1	ľ	10	90 0	20 0	3 67	1 1	10	1	۵. ۵	21
nde		Vloleno6.	18.	115	920	1	m		1	9	63 () CO	1	Ħ	-	0	es 1	7 0	9 61	•	1	63	10	٦ .	o 1	3.0	941	-	41 0	0 00
The DEATHS registered in the Weck include		Diarrhos.	12.	200	107		4	1 63	ı	2	15	20 -	H 10	13	တ	10	9				1	4	10	27 0	N 1	4			07 1	- 01
he We		Herer.	11.	16	63	1 1	1	1 1	ı	1	1		1 1	61	8	69	1	1 -	1 14	ŧ	1	1	1 ,	٠,	4 10	1 -	4 1	1	00 0	2 -4
od in t	from	Whooping-	10.	100	62	я і	н		1	9	1	1 r	-1 E	41	1	03	41	-1	1 -	ı	t	61	03	20	1 1	0	1 61		10	3 4
egister	Deaths from	Diphtheria.	9.	39	20	1 63	Н	1 -	1	1	-	8		63	1	63	4	•	1 1	1	1	H	H	1			o 1		н,	4 1
ATH F		Searlet Fever.	°°	55	13	1 1	1 -		1	63	1	-		12	63	10	6 3	1	1 1	1	1	3	-	20	1 -	-	63		1 0	24 1
he DE		Measles.	7.	143	94	t 1	1 .	en 1−1	н	G	H .		- •	् श	1	90.	-4	1	1 1	•	1	10	-	41	1 1		-	-	01	1 22
H		.xoq-llam2	6.	1	1	1 1			1	4	•	1	8	1	1	1	1	1	1	1 1	1	ı	1	1	1		1	_	1	1 (
	ps of	Persons aged 60 Years and upwards.	δ.	615	266	7	00 (20	4	34	-1	13	a 00	200	10	23	20	00 H	. o	12	00	10	20	27	er °	0 2	2 2		27	3 33
	Deaths	lnfants under l Year of Age.	4.	957	438	9 11	13	. si	E-a	20	27	18	2 ×	69	9	44	53	10	-	11 9	10	22	42	63	15	91	9 00		18	16
	anring	EATES.	65	3276	1418	82 83	83	74	29	150	49	7.6	207	247	45	178	108	18	87	32	23	85	121	123	0.00	1 6	42		109	140
	the Week ending	BIRTHS, DEATHS.	oi	5614	2512	97	89	143	64	246	72	III	848 848	328	99	278	127	70	20	41	38	122	246	204	146	300	883		153	148
-		to the middle of the Xear 1890.*	1.	9,715,559	4,421,661	123,659	95,352	78,780	83,406	461,865	154,344	244,909	100,841	613,463	115,816	279,437	242,509	146,716	123,553	94,253	82,034	240,515	\$68,799	832,637	218,853	0000001	210,711	-	271,135	363,082
-			Cols.	•	•				TOL			•		•	•	•	•		• •	. 0	•	•	•	•					•	
	Barran	AND BOROUGES.	0	28 TOWNS	LONDON .	BRIGHTON .	NORWICH	PLYMOUTH .	4	BIRMINGHAM	LRICESTER .	NOTTINGHAM	DERBY .	LIVERPOOL .	BOLTON	MANCHESTER	SALFORD .	OLDHAM .	BLACKBURN .	HULDERSFIELD	HALIPAX .	BRALFORD .	LEEDS .	SHEFFIELD .	STINDERLAND	NEWCASTLE .	CARDIFF.		EDINBURGH -	DUBLIE .

TABLE 2. LONDON .- Births and Deaths Registered in the THIRTIETH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
TOTAL Births Males Females	2488	2755	2577	2631	2530	2459	2701	2579	2353	2376	2775·1	2512
	1290	1443	1357	1350	1300	1260	1366	1347	1171	1174	1423·9	1283
	1198	1312	1220	1281	1230	1199	1335	1232	1182	1203	1351·2	1229
Total Deaths Males Females .	1746	2000	1399	1605	1995	1750	1746	2007	1308	1553	1865·7	1418
	976	1052	716	847	1064	924	925	1043	681	836	988·4	754
	770	948	683	758	931	826	821	964	627	717	877·3	664

^{*} The numbers in this column are the average weekly numbers in the thirtieth weeks of the ten years 1880-89, raised by 9 046 per cent. for increase of population.

LONDON .- BIRTHS, DRATHS, and METEOROLOGY in the Last THIS

TOTAL Births TOTAL Deaths	May 8. 2613 1533 721 210 227	10. 2308 1469 712	May 17. 2468	May 24. 2443	May 31.	June 7.	June 14.	June 21. 2516	June 28.	July. 5.	July 12.	July 19.	July 26.
Total Deaths Ages at Death 0-20 years -20-40 n -40-60 n	721 210 227	1469 712			2091	2399	2477	2516	9850	0490	0.470	0946	0510
Ages at 10-20 years - 20-40 , - 40-60 , - 60-80 ,	721 210 227	712	1466	1451				-010	2000	2400	2472	2340	2512
Ages at 20-40 ,, -	210 227			7.00	1411	1393	1375	1387	1346	1481	1471	1522	1418
(80 years & upwards	305 70	170 243 274 70	707 178 261 257 63	739 166 235 239 72	713 186 222 244 46	667 186 250 2 8 5 55	658 172 229 247 69	672 177 239 248 51	669 155 254 220 43	793 165 289 237 47	800 174 214 231 52	823 157 249 250 43	793 132 227 219 47
" {Under 1 year - 1 - 5	337 294 90	360 251 101	339 266 102	335 307 97	349 250 114	285 280 102	297 267 94	318 262 92	339 256 74	423 281 89	428 281 91	445 277 101	436 282 73
Deaths from Small-pox Measles Scarlet fever Diphtheria Whooping-cough Typhus Enteric fever SimpleContafever Disentery Cholera	1 67 15 18 86 1 6 -	62 12 25 99 - 3 -	70 17 21 88 - 8 2 17	1 94 15 24 91 - 6 - 10	- 83 14 25 78 1 3 - 10	91 11 20 75 1 7 1 8	100 11 24 59 - 11 1 15	99 15 19 65 - 6 1 24	101 7 24 52 2 9 - 51	100 13 21 57 6 2 85	99 20 22 66 - 9 - 107	104 12 19 56 - 6 1 1111	94 13 20 62 - 2 - 107
,, all the above- mentioned Diseases	215	212	223	242	214	215	221	232	248	283	327	310	299
,, Dis, of Respira- tory System Phthisis - ,, Dis, of Circula- tory System	326 143 140	301 139 132	300 154 124	294 117 121	259 116 117	229 138 131	240 138 122	215 131 120	206 136 99	244 115 105	225 132 108	216 150 117	185 110 107
Violent Deaths Inquest Cases Deaths in Public Institutions	61 124 342	62 134 326	45 100 376	66 119 324	64 123 328	50 109 331	36 87 327	54 86 314	49 99 299	55 97 311	40 100 321	49 113 347	56 111 333
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	50·7 62·2 38·9	52·4 61·6 44·6	55·3 67·4 45·6	58·3 71·0 45·6	54·0 65·9 44·0	56·5 67·0 48·1	56.6 67.9 48.1	59·3 70·9 49·8	60.6 71.5 52.5	55·7 66·6 48·6	55·7 65·2 48·4	61·4 72·1 54·8	61·6 73·9 52·6
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	67 0·07 63·9	80 0·56 14·2	69 0·56 54·0	65 0·14 71·2	65 0·07 51·9	76 0·31 25·1	81 0·76 28·4	76 0·38 29·3	82 0·78 36·2	84 1·77 23·5	0.86 17.9	81 2·08 21·7	75 0·08 44·6

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincett, Esq., Bristol; E. Smpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingman; J. Hartnup, Esq., F.R.A.S., Liverpool; H.O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., E.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Thirrieth Week of the Year 1890.

					HIL	LIE	LIL	W C	CK (of the Year 1890.									
	for the 10 years		Satu	the irday	, 26tl	h Jul	ly 18	90.			for the		Sati	in the	, 26i	ek ei h Ju	ndin	90.	
	of the 10 30-89.*		D	eaths	of P		ns of		_	10000	ges fo		De	eaths	of P		ns of		
CAUSES OF DEATH.	Avera		I	Jude:	r	er 40.	er 60.	or 80.	and	CAUSES OF DEATH.	ed Averages feeks of the 1 1880-89.*		τ	Inde	.	r 40.	r 60.	r 80°	Sud
	Week	AGES.	-	1		under	under	under	arsds.		ed A	AGES.	-	40.		under	under	under	- 4
	Correct 80th	ALL A	0-1.	.0.	5-20.	and	and	and	u Years		Corrected 30th Wee		,	20	.06	and 1	40 and v	and v	Years unwards
	5°	1 4	0	1-6.	20	0	2	9	22		200	ALL	0-1.	1-5.	5-30.	20.	40	60 8	96 E
ALL CAUSES	1865.7	1418	438	282	78	132	227	219	47	Diseases of Organs of									
(Vaccinated) -	2.4	-	-	-			-			Special Sense †}	8.1	-	-	-	_	_	-	-	_
Small- IInvaccinated	3.8	-	-	-	_	-	Ŀ	_		Diseases of Circulatory \	91.8	107	1	1	7	19	37	38	
No Statement	2.8	-	-	-	-	-	-	-	-	System}	31.0	101	_	-	_				
Measles	52·1 33·4	94 13	24	68	2 5	-	П	-		Croup	10.0	3	1	2	-	-	_	_	-
Searlet Fever	0.5	10		8	9				H	Bronchitis Pneumonia	91.8	81 83	23 19	19	1 5	8	16 19	20 13	2
Relapsing Fever ?	0.0	-	-	-			-			Pleurisy	4.6	5	1	1	5	-	1	1	-
Influenza	0.1	1	-	-		1	-	-	-	Other Diseases of Respi- ratory System	21.0	13	4	4	~	1	8	1	-
Whooping-cough	47.7	62	25	36	1	-	F	-		Dankidan I		-						-	-
Diphtheria	20.6	20	1.	12	7	-		-		Dentition † Quinsy, Sore Throat † - Enteritis	16.1	9	4	5	1	-		1	-
Simple Continued and Ill-defined Fever	1.7	-		-	-	+	-	-	F	Enteritis	18.1	29	18	1	1 2	2	1	5	-
Enteric Fever	14.2	2	-	-	-	1	1	-	-	Diseases of Liver	34.0	25	5		-	1	11	7	1
Cholera and Chol. Diarr.	11.6	1	-	-	-	-	1	-	H	Other Diseases of Digestive System -}	85.2	37	9	2	2	4	5	10	5
Diarrhea, Dysentery -	861'1	107	79	23	1		-	3	1	71						-			-
Remittent Fevert Hydrophobia	0.8									Diseases of Lymphatic System & of Ductless	2.5	2		_		-	2	_	
Glanders	0.0		-		-					Glands †)									
Cowpox and Effects of)	0'5		-		_		K			Discourage of ITaly				-					
Vaccination † 5	15.0	11	9				H			Diseases of Urinary System	83.2	28	1	-	5	4	8	10	
Erysipelas	5.3	8	1			1	1	2							_	-	-	-	_
Pyzmia and Septiczmia †	3.3	2	H	_	-	1	1	_		Diseases of Generative	5.9	4				_	8	1	
Puerperal Fever	4.9	2		I-I	-	2	-	-		Accidents of Childbirth	3.9	4	-	-		4	-	-	
Other Zymotic Diseases †	1.7	8	1	2	-	-	-	-	-			-	-				_		
Thrush	4'5	1	1							Diseases of Locomotive } System † }	7*4	3	1	-	-	-	1	1	
Worms and other Para-	0.7		lì			-	-	-							_		_	-	
sitical Diseases}	0.7		-	-	-	-	-	-	-	Diseases of Integumen-	5*3	6	1	1	_	1	-	8	
Starvation, Want of										tary System}		-	-			-	_	_	
Breast-milk †}	8.8	1	1	-	-	-	-	-											
Alcoholism	5.1	3		-	-	2	1	-		VIOLENT DEATHS.§									
Rheumatic Fever.						-	-			(ACCIDENT.)									
Rheumatism of Heartt	4.8	- 5		-	-	3	1	1	-	Fracture and Contusion Gunshot Wound	52.7	18	-	4	1	5	5	3 -	-
Rheumatism †	2.2	-	-	-	-	-	-	-	-	Cut, Stab Burn and Scald	3.8	7	1	2	1	ī	2	-	
Gout	3.4	4	-	-	-	-	1	3		Poison Drowning	0.8	1 8	=	-	3	1	3	-	
Cancer -	4·7 58·6	10 64	3	7	-	- 1	-	- 07	-	Suffocation Otherwise	8.8	7 5	6	1	1	ī	1	ĩ	
Tabes Mesenterica	55'9	37	23	13	1	4	29	27	3			-	1			_	-	-	
Tubercular Meningitis -	85'0	28	19	7	7	2		-		(Homicide.)									
Phthisis	163'8	110	8	5	6	47	42	7		Murder & Manslaughter	2.0	2	-		-	1	1	_	F
Scrofula, Tuberculosis -	23.8	17	6	8	2	1	-	-	-					_		-	-	-	
Other Constitutional Diseases †	9.2	16	1	-	2	4	4	5		(SUICIDE.)									
		-	-	-		-	-		-	Gunshot Wound	1.0	1	-	-	-	-	1	-	
Premature Birth	40.9	30	30	-	-	-	-	-	-	Cut, Stab Poison	1.6 2.0 1.7 1.2 1.0	2	-	-	ī	ī		=	
Atelectasis + Congenital Malforma-	1.7	6	6	-	-	-	-	-	-	Drowning	1.2	1 2 2	-	-	-	-	1 1 1	ī	
uons	8'4	2	2	-	-		-	-	-	Otherwise	1.0	2	-	-	-	1	1	-	
Old Age	40.1	41	-	-	-	-	-	15	26				1						
Apoplexy	00.1					-	-			" (Execution.)									
Epilepsy	38°5 8°1	33	-	-	-	1	11	19	2	Hanging	0.0	-	-	-	-	-	-	-	
Convulsions -	63.7	02	52	9	1	-	2	1						-				~	
Other Diseases of Carin	90°4	66	9	18	5				0	OTHER CAUSES †	95*2	54	51	1	-	-	-	2	
and Nervous System	00 2	00	1	10	5	6	8	18	2								1		
2 The many 2		_			-	-						-					_		_

mbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

assest small-pox only are returned as "accolated" or as "unaccolated" which are so certified by registered medical men. When a stendand does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered to the case is returned under the heading "no statement." denote at inquests is often insufficient to causely the Coroner to certify whether a violent death be the result of accident, murder, ter, or suicide. All such cases are classed under "accident or negligenee."

A 63356.-4.

TABLE 5. LONDON.—Population; BIRTHS; DEATHS from all Causes, and from Small-pox, Measles, Scanler during the Week ending

							The	D BA	THE	ngiste	red i	n the	Wee	kinel	ade			
	Faume			Dea	ths of	Ī	,			Deat	as fro	m	•					_
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Aniants under 1 Year of Age.		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON · ·	3,815,704	2512	1418	438	266	-	94	13	20	62		2	-	107	56	111	333	10
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN ASYLUM HOS- PITALS OUTSIDE REGISTRATION LONDON WEST DISTRICTS	669,688 905,947 282,238 692,738 1,265,148	343 536 136 512 935	260 294 119 276 469	79 85 34 91 149	58 1 18 1 53 7 79	-	29 14 3 14 34	2 6 - 5	6 6 2 1 5 -	4 9 6 13 30		1 1		18 22 8 23 36 -	7 9 9 15 16	16 17 18 32 28 -	75 65 39 76 78	1 - 2 - 7
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 37830	47 12	28	11 -	6	-	3	15	-	-	1		-	4		2	7 5	-
Kensington Town Ww - W M & C	1 100121	13	39	12	2	-	5	=	-	-	-	1	-	2	1 -	1 -	2	-
Brompton H St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J Fulham Ww	7,899	40 54	2 26 40	11 18		-	5 6	-	1	1 2	-	-	-	5	1	1 2	3	-
	30396 24925	24 16	14 19	4	7	-	-4	1	- 2	-	-	1 1	-	1	-	î	13	
Chelsea North-east Chelsea North-east G.J.	82807 80353	6 25	16 13 18	2 3	8	-	2	-	2	-	-	-	-	1 -	1	2	11 9	1
Belgrave WHHH- St. John Westminster HHH St. Margaret Westminster H - C.	59220 35496 24679	17 4 6	13	1 2	3 2			-	-	i -	-	1 -	-	1 -	1 -	i -	7	
St. James Westminster WHH N. I. St. Anne Soho HHHHHHHH - N R	29941 16608	5	2	ľ	- -		-	-	-	-	-		-	1				-
NORTH DISTRICTS. All Souls Marylebone HHHHHH W.M. Cavendish Square HHHHH — W.M. Restory Marylebone WH G.J. & W.N. St. Mary Marylebone 1111 — W.M. Christohurch Marylebone 1111 — W.M. St. John Marylebone H — W.M. Hampsicad Ww/HHHH — N.R. & W.M.	[24809 M 21118 [83700 [33638 M 45452	8 4 6 26 14 20 25	13 3 4 11 1 7 19 12		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			: :	1	2	1111111	111111	1 1 1 1 1 1 1 1	1 2	1 2 1	1 - 2 3 2	3 - 5	
Regent's Pank Pancras H Tottenham-court wHHHH N.R.&W.M Gray's Inn Lane HHH Somers Town H Camden Town WH Kentish Town W N.E	27729 27729 2. 30247 2. 84369 2. 17811 2. 87487 2. 67946	11 14 22 9 53	17 11 13 5 23	3 1 1	3 3 1 0 6	3 6 5 4		2 -	3	1	1111		-	6 2 - 4	1 2 1	1 1 1 1	12 4 - 1 3 14	
Islington South-west HH - N.F. Islington South-east - N.F. Highbury H - N.F.	S. 52048	40	12	2	1	1		1 1	-	1				1 -	-	1	1 -	
Stoke Newington H	R 9277 R 87610 R 76911	5 23 56	3	7 4		4 7	-	3 2		1 1	-					-	11	
CENTRAL DISTRICTS. St. George Bloomsbury - N. St. Giles South WH - N. St. Giles North - N. St. Martin-in-the-Fields HH N R. & St. Mary-le-Strand H - N. st. Clement Danes H - N.	C. 1750 R. 751 R. 855	17 2 7 2 8 3		2 6 4 7 1 5 9	2 1 1 1 2	1 1 - 1		-	-					1			6	
St. Clelled Dates Strand Union Workhouse, Edmonton a St.Geo_the-Martyr HHHHHHH N. St. Andrew Eastern W N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill H N. Saffron Hill Hill Hill Hill Hill Hill Hill Hil	v. R. 1867 R. 1970 R. 658 R. 1751 R. 1922 R. 1477 R. 1154 R. 1164 R. 1864 R. 1864 R. 744 v. 1111 R. 1164 R. 1864 R. 18	1 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	64 48 82 66 55 77 92 71	2 13 4 2 3 6 6 6 7 9 5 2 - 6 3 1 3 2 3 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	3 2 1 1 3 2 5 6 2 1 1 1 1 1 1 1 1	3 - 2 3 - 1 - 1 - 1 1 1 1 1					311				21111	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	7 2 2 2 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4

NOTE - The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely; W-W house; H-Hospital; L-Lunatic Asylum; L*-Private Lunatic Asylum in which paupers are received; w-Workhouse Established receiving immates from other Districts than that in which it stands, (see note at the foot or next page). The Roman capitals signify the W Companies which supply the different sub-districts:—G J. signifies Grant Junction Company; W. M. West Middlesex; C. Chelsen; S. Southward Vaurhall; L. Lambeth; N. R. New River; E. L., East London; and K., the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district rday, 26th July, 1890.

								Th	e DE	ATHS	regist	tered	in the	We	ek inc	lude			
		Enume-			Dea	ths of	-	.:	1	-		hs fro					1	1	1
REGISTRATIO		rated Popu- lation, 1881.	Total Births.	Total DEATHS.	Infants under I Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterie (or Typhoid) Fever,	Simple con-	Diarrhoa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS. litch South HL* n New Town w - n Old Town - reton WH	- N.R. - N.R. - N.R. N.R. & E.L.	22348 29937 28036 46275	18 22 20 83	5 12 6 27	1 6 3 13	2 - 2 5	1,111,1	1.	1111	1111	3 1	1111	1111	1111	1 2 1 1 1		1 1 3	1	1111
al Green North H al Green South – al Green East WHL	E.L.	51157 34399 41405	38 26 29	13 10 21	7 4 4	8	1.1.1	1	110		111		111	1111	1 2	1 -	4 22 -	12	
ields W Ind New Town W chapel Church H nan's Fields	E.L. & N.R. E.L. & N.R. E.L. & N.R. N.R. & E.L.	22585 15478 17490 9713 6102	16 21 18 4 4	7 14 22 3	4 8 1 1	381	1,111,1	1 2 1		11111	1	11111	11.01		1 1	4	1 5 -	9 18 -	11111
orge's North in, St. George East	- E.L.	88747 8410	24	14 5	7 2	2	-	1 ,	=	-	1 -		-	-	4 2	1 -	1 -	2	-
	E.L. & N.R. - E.L. - E.L.	10395 16107 82041	7 9 18	7 6 8	2 4 2	- 2		1 2		1 -	ī	111	1 1 1	7.7	1 - 2	2 -	2	3	
nd Old Town West		87960 67653	37 89 29	11 20 10	6 4	4 4	22	1.	-	-	1	-	-		1	1 -	1 2	ī	
ey wwwH	- 'E.L. - E.L. - E.L.	\$7074 64359 \$5077	58 38	41 14	12 3	12 4		3	1,4,1	A 3	3 -	1,1,1		111	2 -	3	7	18	1 1 2
gh-road WH -		13663 14999- 21891 15953 21818 26672 59555 21623	8 14 8 14 17 43 17	5 10 8 9 4 20 11	11322-893	11214 - 31	1111111	2 3 2 1 -	1 2		1 1 2 1	111111111	1111111	Litteration	1 - 11 2 -	Lining	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 1 1 1 1	THIMIT
nes Bermondsey	S. & L. S. & K.	11956 16300 15669 54682 36024	12 9 15 29 43	16 3 9 14 22	1 4 4 9	1 1 5	11111	1	1111	H I I I	2 1	11111	1 -	11.1.1	2	2 - 1	3	12 1	
loo-road let H - loo-road 2nd H - th Church let H th Church 2nd WW agton let agton 2nd - loo W -	S. & L. S. & L.	15195 16351 19876 89859 45232 35832 62867 19017	10 25 14 42 84 22 86 9	1 6 17 27 12 12 6 4	- 2 7 7 5 4 1	1 2 2 5	1111111	1 1 3 1 7 1 7 2	111111111	Timilai.	1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	11111111	11111111	1111111	123221	11111	- 741	11 9 11	
attersea WwH- m H- worth WHL -	- S. - S. - S. - L.	54675 52587 36880 28004 13235 25553	47 53 18 82 4 27	21 29 5 13 2	9 10 7 1	2 7 2 1 - 6	111111	2424	11111	1,1111,	5 2	111111	111111	11111	4 8 - 2 - 1	111111	10000	7	11111
rwell WoL*L*	L. & S. S. & L. S., L., & K. L. & S.	5590 59104 71089 50810	52 48 44	2 86 21 12	1 13 5 4	1 8 8 2		1		1111	4				2 2	111	1 1 1	14	1
l Deptford w	- K. - K. - K.	76752 7901 21972 24608	54 7 15 21	38 4 3 12	13 3 - 4	1 3		3 -	2	1 - 1	4-	3111	1711		3	2 - 2	3 - 2	3 1	1111
AM WH	- K.	5048 21559 19865 26076	2 12 17 19	5 7	5	1811		1111		1111	1 2	111			1 1 1	1	2	1	4111
in HH ieh Dockyard - ieh Arsenal HH - ead, West H - ead, East W ieh Reisenal	- K. - K. - K.	10980 17617 19045 14009 19241	11 11 16 13 27	1 5 9 3 12	- 223	1 1 8	11111	FFIFF		11111	11111		1111	1111	1 1	1	1 2 1	- 2	111
olitan Asylum Hospita riford w – chmore Hill w –	ils:	-	-	-		-	-	-	-	-		-	-	-	-	-	-	-	-

owing Workhouse Establishments are indicated in the above Table by w (see note at foot of preceding page) :-

valouing Workhouse Establishmen's are indicated in the and yieldone infirmary in Kensington Town sub-district, tal London Sick Asylun, in Tottenham Court sub-district, in Upper Holloway sub-district, and City Workhouse "Hacaney sub-district, teshapel" "Mile End Old Town Eastern sub-district, and Bromley sub-district, and Bromley sub-district.

Stepnes Worknouse in Bromier sun-district.

Poplar & Stepnes Sick Asylum

Westmuster Union Industrial School in West Battersea sub-district.

St. Saviour's Infirmary in Camberwell sub-district.

Metropoutea Asylum District Hostmass in Fuinam, Hampstead, Hackney, Brixton, and St. Paul, Deptford sub-districts, and in Dartford and Edmonton sub-districts outside Registration London.

Strand and Holborn Workhouses outside Registration London.

Table 6.-LONDON .- OUTER RING. - Area; Population; Births and Deaths registered during Week ending Saturday, 26th July, 1890.

				We	ek en	ding	Satur					_		-			
		Area	* 004			Line for	in de namente	T	he DE	ATHS	ragiste	red in	the V	Veek in	aclude		
Regis- tration	* *. * * * * * * * * * * * * * * * * *	in Acres,	Enume-			Dest	hs of	1		1	Deaths	from					
District and Sub-' district Num- bers.	REGISTRATION 8UB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public institutions.
LON	DON-OUTER RING	370,924	950,957	746	328	84	76	-	18	4	6	11	4	17	16	22	41
30:1	Carshalton wZ - Epsom (part of)* WwH	12228 9971	21118 10710	14 2	5 2	1	1 2	-	-		-	-	1	-	1	1	2
37:1	Godstone (part of) * - Croydon Ww L -	2754	1235	72	33	7	8	-	4	-	_	1	-	1		2	8
39:1	Mitcham w† Wimbledon HHH -	11697 3220	17982 15950	10	8	-	2	-	1		1	-	-		-	-	1
8	Kingston WHH Esher (part of) * -	8549 6601 4573	36354 9221 13539	33 4 10	16 1 2	3 - 1	8 -	-1					1	-	-	-	7
40:1	Hampton H Richmond WH Mortlake	2272 2941	21302 12331	9	4 5	-	- 1			-	-	- 1	-	-	1,	1	1.
41:1	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	15669	81142 15844	24 8	11 4	4 -	1	-	2 -	1 -	-	1 -	-	-	1.	3	1
42:1	Bexley H Dartford (Ww, pts. of)*	13437	24134	15	8 -	4 -	-		-	-	-	-	-	1	- 9	- 2	-
124: 1	Sunbury w Staines W	11055	11685	9	8 4	1	-	-	-	-		3	-	-	1	1	- 3
125:1	Hillingdon WHH - Uxbridge Hayes wHL	6029 6178 14587	10802 3225 11528	10 4 6	2 2 8	-	2 - 5	-	-	-	-	-		-	1 -	1 -	- 4
126: 1	Isleworth WHH - Twickenham H -	7008 2477	22727 12479	12 11	5 2	1 -	2	-	-	-	-	1 -	-	-	1	1	-
8 4 8	Brentford HL Chiswick Acton wH	1340 6083	27649 15975 22876	20 13 9	12 4 6	3 1	1	-	-	1 - 1	1	-		1 1	1 - 1	1 2	2
127:1	Harrow H Edgware H	13809 6994	12796 3749	11 -	3	-	1	-	1	-	1	- 1	-	- 2	-	-	1
137:1	Willesden Hendon W	4383 8382 9881	27453 10484 6621	8 3	13 5	8	3 -	-	2	-	1	-	-	-	1	1 -	1
198:1	Watford (W, pt. of)* -	-	6391	- 2	-	-	-	-	-	-	-	-	-	-	-	-	-
3 8	Barnet Finehley HL	54 83	10092 17615	14	3	1	1	-	-	-	-	-	1 -	-	7	-	1.1.
188 : 1		8039	588 87078	29	9	8	2		1	1 1	-	-	1	1 1	-	-	1
8	Edmonton Ww	7488 - 12653	19104	63 19 18	16 6	3 1	1 4	-	2 -	-	-	1 -		-	1	1 -	1
2	Cheshunt	8480	7735	5	1	-	1	-	-	-	-	-	-	- 2	-	1 1 1	
186:1	West Ham wwH -	- 4055 - 3296	90347 10706	92 92 17	11 33 9	8 2	6 8	-	-	-	-	1 1	-	2 1	1 2	1 1 2	
107.0	Walthamstow H	- 6520	28869	21	26	3	6 1	-	-	1	1	1	-	2	-	-	
187 : 1	Epping (W, pt. of)*		-	-	2 -	-	-	-	-	-	-			-	-	1	
	Ilford	- 8498 - 4121	7845	7	2	1		-	-	-	-				_	1 -	

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as fe 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godst district; 38:5, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromlay sub-district, except the parish of Chelsfield (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in sub-district; 187:1, Chiswell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Northaw in sub-district; 187:1, Chiswell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Northaw in sub-district; 187:1, Chiswell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Northaw in sub-district; 187:1, Chiswell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Northaw in Sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Northaw in Sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Northaw in Sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Northaw in Sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Metropolitan Asylum Hospital (see Table 5).

§ Exclusive of deaths of London residents in Strand Union Workhouse and in Metropolital, Winchmore Hill (see Table 5).

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 26th July, 1890.

	Area			L RATE			The Da	ATH	regi	stere	d in 1	he W	eek :	inolud	le	
GREATER	Acres,	Estimated Population,		O living.	DEATHS from	Deat	ths of			1	Death	s fro	m			Public ions.
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhos.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		12.	13.	15.	15.	
ATER LONDON	448,334	5,758,500	15.8	3.2	1746	522	342	_	112	17	26	73	6	124	72	
UTER RING -	77,410 370,924	4,421,661 1,336,839	16·7 12·8	3·5 2·3	1418 328	433 84	266 76	-	94 18	13	20 6	62 11	2 4	107 17	56 16	333

TE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 00.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,189,292 Persons.

	Popus impos						Di	ATHS	FROM	PRIN	CIPAL ES.	ZYMO	
CITIMS.	POPULATION (enumerated or estimated).	OF R	ETURN.	BIRTHS. Exclusive of	DEATHS. of Stillborn.	ANNUAL DEATH- RATE por 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
LOUTTA	433,219	June	7	_	-		-	_ 1	-	-	-	-	
MBAY	773,196	July	1	325	297	16.6	3	1	,	2	2	98	24+
ADRAS	398,777	June	· 13	341	250	32.6	1	12	9	P		78	30
RIS	2,260,945	July	19	1230	906	20.8	2	58	1	36*	5	9	89
SUSSELS a 8 Faubourgs.)	477,288	99	19	267	178	20.0	1	2	-	-	1	3	22
ISTERDAM -	406,302	w	19	264	131	16.8	-	4	-	1	1	-	-
TTERDAM -	203,486	. ,,	19	130	64	16.3	-	-	-	-	1	-	2
HAGUE -	156,497	24	19	. 86	56	18.3	-	3		-	-	2	-
PENHAGEM -	312,387		19	205	123	20.2	_	17	1	7	1	_	8
OCKHOLM -	236,350	"	12	132	61	13.4	-	-	5		-		15
RISTIANIA -	143,300	19	19	51	43	15.6	-		1	2	-	-	10
PETERSBURG	842,000	97	12		431	27.1	3	31	23	5	2	8	107
ERLIN	1,526,887	29,1,	5	851	649	21.9	-	27	2	27	9	2	112
AMBURG(State)	575,276	23	12	394	235	21.3	-	19	2	3*	-	1	22
RESDEM	269,250		12	169	96	18.2	-	3	1	2*	-	-	. 9
RESLAU	324,400	39	· 19	263	213	34.3	1		7	4*	2	1	35
UNICH	298,000	. 39	19	-	202	35°2	-	1	2.	3*	3	04	60
IBHHA	822,176	23	19	528	405	25.6	1	10	en -	4	-	2	49
EVELS	314,425	99	19	- 1	190	31.2	-	9	6	5	3	5	6
UDA-PESTH -	463,017	29	12	327	253	28.4	-	3	- 3	7	2	. 7	42
RIBSTN	160,092	20	. 19	92	71	23.1	-		~	3	1	-	14
OMB	418,217	June	21	169	166	21.3	-	10	-	·" 1	~	6‡	23
URIN (10 days)	314,827	99	20	-	7-	-	-	-	-		-	és	-
BRICE	156,515	July	5	77	64	21'3	1		-	- 14	. 1	6	9
AIRO	374,838		. \$	344	310	43.0	2			3*	-	31	92
LEXABDRIA .	231,396	19	. 3	158	164	36.0		-	-	1	-	10	58
W YORK .	1,617,997	,,	5	-	1010	32.2	-	23	9	17	10	3	359
BOOKLYN .	859,612	19 ,	5	-	552	33.0	-	1	4	21	2	2	192
HILADELPHIA -	1,064,277	"	- 5		623	30.2	-	-	1	8	4	13	157
ALTIMORE .	500,843	**	12	-	260	27.0	~	2	2	3	2	10	· 49
VEW ORLEANS -	254,000	June	28	-	158	32.2	-	1	-	-	2	4	14

[•] Including deaths from croup. † Including 2 deaths from cholera. ‡ Including 4 deaths from malarial fever.

Table 9 .- METEOROLOGICAL OBSERVATIONS taken at the Rotal Observatory, Greenwich, during the Week ending Saturday, 26th July, 1890. [Under the Superintendence of the Astronomer Royal.]

-							_														
		Ozone.		0.0	0.0	0.0	0.0	0.0	0:0	6.0	0.0	27	a; no	r, are r, and ading	mum re air luced ygro-	aphic	feet below	and the	The sand	show to the	.07 in.
Rain	in a	Gauge whose receiving	5 inches above the Ground.	in. 0.00	00.0	00.0	00.0	0.0	00.0	90.0	Sum 0.08	26	vel of the sea; no	nomere remeter rometer roan res	e of th are dec	photogral move	higher, to feet l	eptford	strong.	rument	ek to 30
			Depar- ture from Average of 16 Years.	Miles.	- 42	+124	+107	+132	+ 11	+ 19	Sum +351	25	l level of	r the barrected r	the corrected mean of the readings of the maximum the mean daily value of temperature of the air temperature and degree of humidity are deduced and wet bulb thermoneters by Glaisher's Hygro-	of the norizont	icates "	foreign Cattle Market at Deptford, Market, under instructions from	is derived from Thomson's self-ragistering Eleckrometer, positive; N. negative; w. weak; m. moderate; s. strong	ne Last	f the we
		Robinson's.	Horizontal Movement tu of the Air on each Day.	Miles. 1	190.	357	340	366	223	254	Sum 1962.	\$50 \$100	of the barometer is 189 feet above the mean level of the readings to reduce to sea level. Inken at wh. A.M.; noon; 3h. P.M.; and 9h. P.M. Thinken at wh. A.M.; noon; 3h. P.M.; and 9h. P.M.	s deduction 1873 for the cor	of tem of tem e of hu	cussion hat of l	a depti	der in	istering 1. mode	Sunshii ndersto	ning o
eters.	-										Sc.	3-1	bove the level.	rection ending With	value degre	a a dis	nd that	su Cast ket, un	self-reg eak; n	Stokes to be u	ne begin
nemom	-	on the Foot.	f. Mean of 24 hourly obs.	lbs. 0.0	0.0	0.1	0.1	1.0	0.0	0.0	:	- 23	feet a to sea 3h. P.A	of cor years neters.	daily re and	od from ng 1866 rds for	in mir susper	Forei Mari	w. w.	ay.	n, at ti
1 from A		Pressure on the Square Foot.	t. Least.	lbs. 0.0	0.0	0.0 2	3 0.0	0.0	0.0	0.0		55	r is 158 reduce noon;	ication ication twenty hermor	mean peratu	deriver's endi	borne	of the lof the	Thom	each d	30.00 i
deduced	28.		Great.	10s.	0.0	1.1	5.6	Ċ1	-1	V. 1.4	:	31	rometengs to	oulb the eappling the the the the	g the structure tem	is that 20 year	vill be Than	Clerk	d from	rom th	d from
Wind as deduced from Anemometers.	Osler's	stion.	P.M.	N. & Calm.	WSW. & SW	NW.	WNW. W.	WNW. &	NW. R SW	SW. & SSW.	NW.	03	the ban he reading at sh.	ae dry k es by th le durin 1868 for	forming ew point the dry	he air ing the	l 25 it ver	of the jetties of the by the Clerk of	derived from sitive; N. neg	t sunsh	nidnigh
١.	4	General Direction.		7		W.			F-4	-	13		d to the y take	eter, the yalu ds madent	ter is ceters, daily d	re of t	s 9 and age.	one o	city is -P. po	f brigh	ht to n
		Gene	A.M.	Z	WSW.&NW	WSW.&NW	WSW. &	WSW. K	NW.&NNW	SSW. & SW	WSW	19	The height of the cistern of the barometer is 159 feet above the mean I correction has been applied to the readings to reduce to sea level. Observations are usually taken at 31, A.M.; noon; 31, P.M.; and 91, P.M.	eye-readings of the barometer, the dry built thermometer, and the weed Duro intermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1878 for the barometer, and during the twenty vears ending 1878 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading	of the dry bulb thermometer is combined the corrected mean of the reaturitys of the maximum and minimum thermometers, forming the mean daily value of temperature of the air and minimum thermometers, forming the mean deliyeee of humidity are defluced (column 8). The mean daily day down to the dry and weet bulb thermometers by Glaisber's Hygrofine mean daily values of the dry and wet bulb thermometers by Glaisber's Hygro-	metrical Tables. The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the anemometric records for the 16 years ending 1875.	In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," "Lonewr," than the average. "The thermometers in the water of the Thames are suspended at a depth of two feet by	the surface, at the end of one their readings are registered	The record of Electricity symbols employed are: P.	"The numbers in column 29, derived from the Campbell-Steless Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The new of the interpretations are to be understood as applying to the	civil day, or from midnight to midnight. The reading of the barometer increased from 30 00 in, at the beginning of the week to 30 07 in.
		Water hames	Low- est.	0			0.89	63.20	63.4	9.89	62.8	18	has be	gs of the into no tograph tograph	bulb the mum to The linean	ables.	ing the	lings a	ord of	nbers i	or fron
ATURE		Of the Water of the Thames at Deptford.	High-	0.69	62.8	62.4	63.6	64.0	8.89	64.5	63.3	17	he heig ection. bserva	readin verted he pho ing the	of the dry bushed minimus (column 8).	metrical Tables. The average trecords made at	lower he the	surfac ir reac	The reco	he nu	il day,
TEMPERATURE			Lowest on the Grass.	0.07	41.0	50.5	45.9	50.03	2.97	51.0	46.4	16	100					440	Syn T	÷ +	G.
1		Of Radiation.	High- est in Sun's Rays.	0.681	135.3	129.5	6.081	128.9	0.411	138.2	130.3	15		early morning; partially cloudy	generally	cloudless at	y eloudy	n about	h. A.M.	, with	cloud 1
	: ,	Degree of Hu- midity	ration equals 100).	76	8	99	81	99	99	80	722	14	.S.	partially	y and g	g; clou	partiall, ght.	of rain	cloud cill lih. A.M.	ternoon	ints of
	rature	and Dew Point Temperature.	Least.	0 0	0.0	8.0	0.0	8.0	00.00	0.0	1.1	13	GENERAL REMARKS	rning; 1	; cloud;	evening;	ning;	shower.	cloud	r till af	le amor
	r Tempe	Dew P mperatu	Great-	0 1	15.6	21.1	18.6	22.1	21.5	16.5	18.9	12	AL RE	irly mo	norning	dy till	rly mos	dy. A	unts of	; cloud;	, variab iight.
	Differ the Ai	and	Mean daily value.	0 1	6.4	8.11	5.9	11.5	11.5	3.5	8.1	11	SNER	ss in ea	early non; afte	ly cloudy	ss in ea	ly cloudy.	all-amo	namy or	h. P.M.
-		Of the Dew Point.	Mean daily value.	. 0 0	0.22	53.5	58.0	52.3	48.7	500 F	53.5	10	61	cloudle	afternoo	partially	cloudle	partial	with sm	ry in m	about 3
d.	P.Dr.		De- parture from Average of	0 0	1 3 1	1 6 +			1 2.5	8.0 -	- 1.5	6		Fine; cloudless in afterwards.	Cloudless in early morning; cloudy and fine till afternoon; atterwards overcast.	Fine; night.	Fine; cloudless in early morning; partially till evening; generally cloudless at night.	Fine; partially 41h. P.M.	Fine with snall amounts	Showe	shower about 3n. P.M.; variable amounts of cloud in evening; cloudless at night.
THAT YELD	TEMPERATORE	dr.	Mear daily value.	0 0	6.69	65.0		8.89	60.5	6.19	9.19	00	above rizon, nours.	15.9	15.9	15.8	15.8	1.91	15.7	- F	Sum
TOTAL	THEFT	Of the Air.	Daily Range.	0	24.5	000	25.1	6.61	13.9	\$.02	21.5	.1-	Registered Sun ab Sunshine, Horize in hours. in tour		-11				-		+
-	-		Low.	0 1	7 1%	57.4	53.0	20.00	51.6	55.2	52.6	9	Registe Sunshii in houn	10.3	.1 .1	10.5	7.5	8.4	4.6	9	Sum
-	-		High-		78.1	76.94	1 .02	4.57			73.9	110	of (e.)	norn- ards.	1	•	ards.	11	ning ;	- inter-	
RADO.	METER.	Mean daily reading	rected and re- duced to 32° Fahren- heit).	in.	600.00	200.00	90.020	064.66	20.63	29.863	29.62	4	ELECTRICITY. (For explanation of symbols, see Note.)	early n	nerally	d w. N.	atterwi	w. P. generally	in morr	ards. W. P. throughout	
			Moon.		:	:	: :	Equator.	First Or.		1:	00	Erec (For exi	m. P. in early morn- ing; w. P. atterwards.	w. P. generally	v. P. and w. N.	m. P. in early morning; w. P. atterwards.	w. P. ge	m. P. in morning;	vards.	1
-			A	1	202	17	77 00				1.	1		20	22		93 ii	42	63	. 98	
		1890.	MONTE AND DAY.	JULY.	UM.	"LOM"	v organ	Tarres.	'RI.		MEANS	No. of Col.	DATE.	JADAK .	ONDAY	DESDAY .	EDNESDAY	TURBDAY .	TAGE.	TORDAY	I

Sur

Tol

SATURDAY .

ME

H

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

To the Aver Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, HAST HARDING ST., FETTER LANE, E.C.

No. 31. 1890. Vol. LI.] WEEK ENDING SATURDAY, AUGUST 2.

Price 1 d.

General Register Office, Somerset House, 5th August, 1890.

to a sufficient) & a Twenty-eight Great Towns.

The deaths registered last week in TWENTY-EIGHT GREAT Towns of England and Wales corresponded to an annual rate of 19.6 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

7 201 ; m	Week	ending	1804	La ten de la como de l	1	Weeks ending
Towns.	July July 12. 19.	July 26.	Aug.	Towns.	July 12.	July July Aug. 19. 26. 2.
Birkenhead	18.4 15.4	18.4	15.9	Liverpool		19.4 21.0 21.0
Birmingham	19.2 16.9	16.9	19.4	London		17.9 16.7 19.8
Blackburn -	18.1 16.9	13.1	18.6	Manchester -		26.2 24.5 26.1
Bolton -	24.3 18.9	20.3	20.7	Newcastle-on-Tyne	25.3	21.8 24.6 25.3
Bradford -	13.9 14.7	17.8	17.8	Norwich		14.2 18.0 18.6
Brighton -	16.4 15.2	15.6	12.2	Nottingham -		15.2 16.2 13.6
Bristol -	11.0 18.0	16.6	14.4	Oldham	1 -0 -	12.1 13.1 16.3
Cardiff -	13.8 17.8	18.7	9.8	Plymouth		21.2 15.9 22.5
Derby -	17.6 11.9	11.9	15.5	Portsmouth -		10.9 11.7 19.3
Halifax -	15.3 19.1	14.6	16.5	Preston		20.8 18.3 21.3
Huddersfield	14.4 15.5	17.7	15.5	Salford	1	14.4 23.2 24.3
Hull	11.7 12.4	14.4	16.3	Sheffield		21.5 19.3 22.4
Leeds -	18.1 21.6	17.3	20.2	Sunderland -	,	18.0 19.9 19.9
Leicester -	19.9 19.6	16.6	18.2	Wolverhampton -	12.5	16.3 18.1 19.4

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.5 in Manchester, 1.7 in Birmingham, 2.0 in Plymouth, and 2.2 in Bradford; from scarlet fever, 1.2 in Liverpool and in Manchester, 1.3 in Salford and in Halifax, and 1.6 in Sheffield; from whooping-cough, 1.3 in Plymouth; from "fever," 1.3 in Plymouth; and from diarrhæa, 3.1 in Derby, 3.3 in Norwich, 5.0 in Preston, and 5.4 in Leicester. The 52 deaths from diphtheria included 36 in London, 6 in Manchester, and 5 in Salford. No death from smallpox was recorded in any of the twenty-eight towns.

In LONDON 2557 BIRTHS and 1683 DEATHS were registered. Allowing for increase of population, the births were 58, and the deaths 57, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.9 and 16.7 in the two previous weeks, rose last week to 19.8. During the first five weeks of the current quarter the death-rate per 1000 averaged 17.9, being 2.8 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 63356.-5, 635.-8/90. Wt.

The 1683 deaths included 82 from measles, 19 from scarlet fever, 36 from diphtheria, 45 from whooping-cough, 11 from enteric fever, one from an ill-defined form of continued fever, 177 from diarrhœa and dysentery, 7 from cholera or choleraic diarrhœa, and not one from small-pox or from typhus; thus, 378 deaths were referred to these diseases, being 82 below the corrected average weekly number. No death from small-pox was registered, the corrected weekly average being 6;

No death from small-pox was registered, the corrected weekly average being 6; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and only one in the Highgate Small-pox Hospital. The deaths from measles, which had been 104 and 94 in the two preceding weeks, further declined last week to 82, exceeding the corrected average, however, by 37. The 19 fatal cases of scarlet fever, though 13 below the corrected average, exceeded the number in the previous week by 6. The Metropolitan Asylum and London Fever Hospitals contained 1505 scarlet-fever patients at the end of last week, the numbers on the ten preceding Saturdays having increased from 1067 to 1439; 168 cases were admitted during the week, against 159 and 135 in the two preceding weeks. The 36 deaths from diphtheria exceeded the number in the preceding week by 16, and were double the corrected average; 5 (including 3 of hospital patients) belonged to Queen's Park, situated in a detached part of the parish of Chelsea, while 3 were of hospital patients admitted from districts outside Registration London. The deaths from whooping-cough, which had been 56 and 62 in the two preceding weeks, declined again last week to 45, which, though exceeding the corrected average by 4, was a lower number than that recorded in any previous week of this year. The 177 deaths from diarrhæa considerably exceeded the numbers in recent weeks, but were 117 below the corrected average; 163 were of children under 5 years of age. Five deaths were attributed to choleraic diarrhæa, one (of a child aged 2 months) to "cholera anglica," and one to "cholera infantum."

The deaths attributed to enteric fever, which had declined in the three preceding weeks from 9 to 2, increased again last week to 11, but were still one below the corrected average. The Metropolitan Asylum Hospitals contained 62 cases of enteric fever, and 4 of typhus, on Saturday last; 25 cases of enteric fever were

admitted during the week, against 5 and 8 in the two previous weeks.

The deaths referred to diseases of the respiratory organs, which had declined from 244 to 185 in the four preceding weeks, increased last week to 215, exceeding

the corrected average by 24.

Different forms of violence caused 73 deaths, concerning all but 2 of which inquests were held. Of these 73 deaths, 13 were cases of suicide, one of manslaughter, and one of execution, while the remaining 58 were attributed to accident or negligence. Five of these were caused by horses or vehicles in the streets, 4 by burns or sealds, 1 by poison, 16 by drowning, and 13 (of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3366 births and 2074 deaths were registered, corresponding to annual rates of 30.5 and 18.8 per 1000 of the estimated population. In the Outer Ring the deaths included 38 from diarrhea, 31 from measles, and 14 from whooping-cough. Half of the deaths from diarrhea occurred in the district of West Ham; and of the deaths from measles, 6 occurred in Bromley and 4 in Croydon sub-districts, and 11 in the district of Edmonton.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.77 ins.; the lowest reading was 29.65 ins. on Friday afternoon, and the highest 29.90 ins. at the end of the week. The mean temperature of the air was 62°.9, and 0°.3 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on Sunday, and on Thursday and Friday, but was below the average on the other days of the week. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 12.5 miles per hour, which was 2.5 miles above the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0.11 of an inch. The duration of registered bright sunshine in the week was 31.9 hours, against 40.3 hours at Glynde Place, Lewes.

390
=
nsı
ng
< =
2nc
60
igi
10
eek
3
he
18
iri
du
MB,
MO
E
¥
BE
8
12
H
0
10
0
8
M
Du
(8)
Ę
2
I, I
THE
SIR
1
M
27
AB
H

-6-	- 600			_	_				_				Н	ľ	1					_		-1		_		_	_	И						17	
	CITIES	BOROUGES.	Cols.	- 28 TOWNS.	LONDOM.	BRIGHTON.	NORWICH.	PLYMOUTH.	Wolvebusience	Property	DIRMINGHAM.	NOTHINGHAM	Depre	BIRKENHEAD.	LIVERPOOL	BOLTON		MANCHESTER.	Ornara.	BLACKBURK.	PRESTON.	HUDDERSPIELD.	HALIPAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.		EDINBURGH.	Drain.	DODRES	
PALE.		In Centi- metres.	24.	1.37	0.58	0.33	1	2.50	1.80	201	1	1.00	30 1		1.07								,	1.47		,	1.30	1	19.0	2	1	1.45	1.77	0.5	
RAIMPALL.		'soyenI'nl	23.	0.54	0.11	0.13	•	06.0	77.1	4		0.68	3 1		0.49	3 8							,	0.80	2		0.51	1	0.24	-			00.00	20	
AIB.	ġ	Centigrade.	22.	15.56	11.11	16.22			16.72		1	. 00			84.			3	9			1		Z,	3 1		16.06	_	12.11 0	-	-				
OF THE	Mos	Vehrenheit.	21.	0.09		59.4 II	1		60.3 16		:	80.E	0.0		58.6 14				,			1	,	20.0			91 6.08	-	59.2 15	-	-		11.01 2.62	_	
TEMPERATURE OF THE AIR.	.31	TOMOS	20.	6.7		0.65		-	2.79			EK.O. IA					_		-	3			,	0002	-		0.89		52.0 1 58				_	=	
BKPBB.	.1a	Higher Parkers	19.	-7		4 0.02			0.02		1	79.K			71.0 Kl.	-	_		1			-	-								-	-		0 43 7	
	athe	From Discasos in Cols. 6-12.	-	.9 81	20.	8.8		5.3	-	_	8.1			3.2	-		0.	0 10	0.1	1 .0	4.9	1.1	1.3	7.0	-	4.0	0.74 4.1	-	0.04 9.1	-	_			8 70-0	
Annual Eate per 1006,	to the	Саписа.	17. 18.	9.	19.8	8 8.81		22.2					4			_			-		_									_	_			4	
4 8		Uncertified Of the Manager of De	16. 1	19.		19	18		61 2		OT .	13	15.5	15.8	-	_	6	7.02	-	-		121		17.0	-	-	-	-	-	-	-	15.4	22.0	17.	
		Deathsotic Transfer of the Control o	16. 1	671 64	05 12	2 2	12		01	_	20	4 10	- 01	4	88 14			20 0	-	1 -	- 0 - 2		6			14 co	-	_	_				33 24		cn.
-		and tannant	14.	257 6	134 4	20 00	61		9 -	1 0	07	20 00	3 1			10	-			20 1	9	-				20 0		_		0	_		_	-	Retu
de	-	Vlotenee.	18.	142 2	-	23 00	-		o 1	1 0	0 .	4 -	1 1		1		-	2	-	-	2	1 1			00		0 4	8	-	4 1			0	-	See note on first nage of this Return
k inclu		Distribuse	12.	343	12	1 10	9	7	- 1	;	14	91	F 6	0 0	0 0	07.0	0	12	g .	24 2	9	2 -	· ·		00 :	- C	7	9 0) H	0 0	0	Total Control	8 10		DORB
The Dratus registered in the Wesk include		Ferer.	#	35	12 1	1 09	1	6.1	1 1		23 1	- 1		-		0 -		c 1 (27 1	-		1 1	1		-	23 (13	,	ı	1				n frat
d in th	from	Whooping-	10.	72	45	1 -		63	1 1	1 0	20	1	1 ,		7 0	2 -	7		64	-	1 .		1 1		1	7 (20	1 ,	7	ı		00	12	61	notes
gister	Deaths from	Diphtheria.	8.	52	36	1 -	1 1	1	1	ŧ	•	1 ,		1	1 1	Н	1	9	13	Н	1	i			-		1	1	1	1	1	1	67	1	S. C. Co.
THE L	a	Scarlet Fever.	80	22	19	1 1	1	1	-1	,	9	٦	•	1	1 7	14	13	6	9	1		7	1 0	4	és	-	10	1	23	1	1	90	63	1	
he DE		Measies.	7.	149	85	H	1	ರಾ	-	1	15	1 4	00 1	1 0	N ;	11	1	11	g(1	1	-	1		10		20	1	1	1 1	-	64	11	10	
H		Small-por.	8	3	1	1 1	1	1	1	1	1	2	1	1	•	1		1	8	1	1	1	1	1	•	1	3	1	1	8	1	1	1	1	Ì
	se of	Persons aged 60 Years and upwards.	.0	969	327	4 7	9 11	1	12	90	30	4	23	3 0	9 !	27	iQ.	88	16	6	9	12	12	0	18	53	21	22	10	17	-	16	26	34	Ì
Ŧ.	2	Infants under I Year of Age.	4	1148	554	9 6	7 2	8	22	o,	09	24	16	6	00	87	a	51	40	11	13	16	4	ဘ	19	22	43	10	20	18	6	21	20	17	-
nring			**	3649	1683	29	20.00	34	64	18	172	5.4	64	30	62	247	46	190	113	46	44	£3.	200	97	82	141	143	29	27	23	22	80	\$36	118	-
Registered during	the Week ending	BIRTHS. DI	oi	5574	2557	45		37	134	14	993	68	118	20	111	344	4	227	112	80	86	623	27	20	110	224	196	129	200	115		124	683	178	-
Re		200	20		_	920	952	08	848	901	365	344	606	17.1	910	163	916	187	605	91.	593	163	253	450	. 212	- 00	587	333	909	120	710	100	03	386	-
	OPULAS stimat	to the middle of the Year 1890.*	1.	9,715,559	4,421,661	123,659	142,952 94.352	78,780	282,248	88,406	461,865	154,844	244,909	100,871	105,049	618,463	115,846	879,487	242,509	146,716	123,553	105,163	84,253	82,034	240,515	363,799	332,837	213,833	126,506	162,957	117,012	271.185	530,203	280,828	-
-	An		Cole.	•	•		• •	•		KON	٠	•	٠	•	•	•		•	'n	•	•			•	٠	٠	•	•	•		•	•	•	•	1
	CITIES	BORUGHS.	5	OR TOWNS	TOWDOM	BRIGHTON .	PORTSMOUTH	DIAMOUTH .	BRISTOL	WOLVEBBAMPTOW	RIRMINGBAM	LEICESTER .	NOTTINGHAM	DERBY	BIRKENBEAD	LIVERPOOL .	BOLTON	MANCBESTER	SALFORD .	OLDHAM .	BLACKBURN .	PRESTON .	HUDDERSPIELD	HALIVAK .	BRADFORD .	LEEDS	SHEFFIELD .	HOLL .	SUNDERLAND	NEWCASTLE .	CARDILY .	ROTHBIRGH .	GLASGOW .	DUBLIN	Annual contraction of the last

- 1

TABLE 2. LONDON .- Births and Deaths Registered in the THIRTY-FIRST Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
TOTAL Births Males Females .	2270	2242	2546	2505	2589	2164	2336	2317	2530	2181	2614·9	2557
	1092	1129	1329	1253	1300	1109	1181	1178	1306	1216	1318·1	1338
	1178	1113	1217	1252	1289	1055	1155	1144	1224	1265	1296·8	1219
TOTAL Deaths Males Females .	1698	1717	1369	1465	1767	1720	1620	1759	1309	1532	1739·9	1683
	883	854	686	738	938	935	836	938	663	825	9 · 4·6	881
	815	863	683	727	829	785	784	821	646	707	835·3	802

^{*} The numbers in this column are the average weekly numbers in the thirty-first weeks of the ten years 1880-89, raised by 9.046 per cent, for increase of population,

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3.	MOZIZ OZIV Z			11110,				فالشنة	انتنا		THIK		TV E.E.I	200
		May 10.	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug.
TOTAL Bir	ths	2308	2468	2443	2091	2399	2477	2516	2359	2480	2472	2346	2512	2557
TOTAL Des	aths	1469	1466	1451	1411	1393	1375	1387	1346	1481	1471	1522	1418	1683
Ages at 20 40 Death 60	-20 years -40 ,, -60 ,, - -80 ,, years & upwards	712 170 243 274 70	707 178 261 257 63	739 166 235 239 72	713 186 222 244 46	667 186 250 235 55	658 172 229 247 69	672 177 239 248 51	669 155 254 220 48	798 165 239 237 47	800 174 214 231 52	823 157 249 250 43	798 182 227 219 47	938 186 232 277 50
1 11-	nder 1 year -5 -20	360 251 101	339 266 102	335 307 97	349 250 114	285 280 102	297 267 94	318 262 92	339 256 74	423 281 89	428 281 91	445 277 101	439 282 73	554 286 98
99 29 29 29 29 29 29 29 29 29 29 29 29 2	Measles Scarlet fever Diphtheria Whooping-cough Typhus Enteric fever SimpleContafever Diarrhoea and	62 12 25 99 -	70 17 21 88 - 8 2	1 94 15 24 91 6 -	83 14 25 78 1 3	91 11 20 75 1 7 1 8	100 11 24 59 - 11 1	99 15 19 66 1	101 7 24 52 2 9	100 13 21 57 6 2 85	99 20 22 66 - 9	104 12 19 56 1	94 13 20 62 2 -	82 19 36 45 11 1
" "	Cholera all the above-	"	-	1	- 1	1	-	2	. 2	4	4	~~1	1	7
	itioned Diseases	212	223	242	214	215	221	232	248	283	327	310	299	378
, ,	Dis. of Respira- tory System Phthisis - Dis. of Circula- tory System	301 139 132	300 154 124	294 117 121	259 116 117	229 138 131	240 138 122	215 131 120	206 136 99	244 115 105	225 132 108	216 150 117	185 110 107	215 147 118
	blic Institutions	62 134 326	45 100 376	66 119 324	64 123 328	50 109 331	36 87 327	54 86 314	49 99 299	55 97 311	40 100 321	49 113 347	56 111 338	73 134 405
Mean of Hi	ighest readings -	52·4 61·6 41·6	55·3 67·4 45·6	58·3 71·0 45·6	54·0 65·9 44·0	56.5 67.0 48.1	56.6 67.9 48.1	59.3 70.9 49.8	60.6 71.5 52.5	55·7 66·6 48·6	55.7 65.2 48.4	61·4 72·1 54·8	61.6 73.9 52.6	62·9 74·4 53·9
Humidity of t		80 0·56	69 0·56	65 0·14	0.07	76	81	76	82 0·78	84	88 0·86	2.08	75	77
	nshine (in hours)	14.2	54.0	71.2	51.9	25.1	28.4	29.3	36.2	23.5	17.9	21.7	44.6	31·9

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield Esq., LL.D., Plymouth: R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesiey, Wolver-hampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Notting-nam: J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Filkington, Esq., M.R.C.S., Preschor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Thirty-First Week of the Year 1890.

		·		11	IIR	TY	CIR	ST	W ee	ek	of the Year 1890.									
	for the 10 years		'Satu	n the	7, 2n	d Au	gust	189	0.	Continuous		tor the		Rati	In t	he W	d Av	endi:	1890	
	ages f		I	Death		Age		of		A STATE OF THE PERSON NAMED IN		tiges to	And the Application	Ε			Pers A zes		of	
CAUSES OF DEATH.	A HE	ES.		Unde 20.	er	under 40.			are and	S.	CAUSES OF DEATH.	Атегацев 2ks of the 1 1880-89.*	D.		Unde	Br .	under m.	ier 60.	ier 40.	Britis
	Corrected 31st Wee	ALL AGES.	0-1.	1-5.	5-20.	and	and		Xe	upward		Sist Wee	ALL AGES.	-1.	-	- 15	Stad	40:1 u.D.	an pus	Year's
411 0411000	İ	1	:	,	,	-		1	1	PERDICIPINA SPREED TOWARDS		1 200	7	4	1 -	1:	=	1 3	=	3
ALL CAUSES	1739 9	1683	554	286	98	186	3 28	2 2	77 50	COTTO-COMPANY AND ASSESSMENT OF THE PERSON NAMED IN COLUMN NAM	Diseases of Organs of Special Sense † }	2.3	6		3	2	-	1	-	-
Small- pox Vaccinated Unvaccinated No Statement	2.2	1		-	-	-	-			AMERICAN DESIGNATION OF STREET	Diseases of Circulatory System	92'3	118	2	,1	4	20	36	50	5
Mensles -	44.9	82	17	62	.2	1	1						-	.]	-	-	-	-	-	
Searlet Fever	31.7	19	1	13	3	2	i -		- -	Н	Croup	10.1	10	1 48	7 18	2 3	1 -	15	23	-
Typhus	0.9	-	-	-	-	-	1 -	-	-	Ш	Pneumonia	57.4	70	18	, 17	2	8	11	12	7 2
Relapsing Fever †	0.0	3	-	-	-	-	: -	1	ł	100	Other Diseases of Respi-	20'2	15	2	3	2	2	2 4	2	-
Influenza	41.2	45	18	25	2	1	1 -	2		11-	ratory System}								-	Ĩ
Whooping-cough Diphtheria	17.8	36	3	16	17	1 -	-		_	Name and Address of the Owner, where	Dentition †	13.2	12	4	8	-	-	1	-	
Simple Continued and)	1.2	1.	-	_	-	-	1			-	Quinsy, Sore Throat † -	17.9	1 22	14	1 4	-	3	1	-	
Ill-defined Fever - } Enteric Fever	11.8	11	-		2	0					Peritonitis Diseases of Liver	5·8 31·4	14 21	3	3	4	4	9	1 9	-
Cholera and Chol, Diarr.	10.6	7	6		1	8 _	1	-	-	11	Other Diseases of)	37.0	35	12	3	-	1	10	9	
Diarrhea, Dysentery -	293'6	177	136	27	1	-	1 4	6	3	11.	Digestive System}			-						
Remittent Fevert	0'7	- 1	**	-	-	-	-	-	-	Ш	Diseases of Lymphatic)									
Hydrophobia	0'1	- 1		-	-	-	-	-	-		System & of Duetless Glands † -	1.7	5	-	~	1	2	-	2	-
Glanders	0.1	- }	-	-	-	-	-	-	1 -	-				-	T-Marketon Str.			-	_	
Cowpox and Effects of \ Vaccination † \	0.1	-	-	-	-	-	-	-	-		Diseases of Urinary	36.2	43	-		1	8	15	17	2
Venereal Affections	12.4	10	8	-	-	2	-	-	-	11_	System}	00 0	10	-		•	0	10	11	2
Erysipelas	2.9	1	1	- 1		-	-	-	-		7.	The second second		1					-	
Pyemia and Septicemia †	5.2	1 2	1	- 1	-	-	-	-	-		Diseases of Generative	5.6	3	-	-	-	2	1	-	-
Puerperal Fever Other Zymotic Diseases †	0.9	1	_	1	_	, 2	-		-	11.	Accidents of Childbirth	4.8	3	-	-	-	3	-	-	- 1
omor Zimore Diseases			-			_		-	-		Diseases of Locomotive									
Thrush	5.6	4	4	-		-	-	-	_	11_	System +}	7.4	11	1		4	1	2	2	1
Worms and other Para-}	0.2	-	-	_				1_	-		Discourse									
D1000000)							-			Ш	Diseases of Integumen- tary System -	5.7	5	2	-	-	-	2	-	1
Starvation, Want of Breast-milk †}	4.3	5	5							-			-							
Alcoholism	5.8	3			_		-	-	-	Ш	VIOLENT DEATHS.§	TO A COLUMN								
Trongitain 6 2 2						1	1	1	_	П										
Rheumatic Fever,	5.2	7	-					1			(ACCIDENT.) Fracture and Contusion	20.8	19	-	3	3	7	4	2	,
Rheumatism of Heartt	2.0	accus accus		-	2	3	-	2	-		Gunshot Wound Cut, Stab	0.0	-	-	-	-	-	-		-
Gout	2.3	3		-	-	-	-	3	-		Burn and Scald	3.1	4	~	3	-	1	- (-	2
Rickets +	3.9	8	4	4	-	-	1	2	-		Poison	11.1	16	-	2	9	4	1	-	-
Cancer	51.9	66		1	_	6	27	31	-		Suffocation	8.1	13 5	18	1	-	2	-	1	-
Tabes Mesenterica -	55.1	38	28	7	2	_	1	-	-	-					_		_			
Tubercular Meningitis -	30.8	30	10	14	5	1	_	-	-	and and a	(HOMICIDE.)	and the same of								
Phthisis	155.2	147	4	2	14	74	44	9	-		Murder & Manslaughter	1.3	1	-	-	-		1	-	-
Serofula, Tuberculosis - Other Constitutional)	21.9	19	8	6	3		2	-	-	-	Control of the Contro					-				
Other Constitutional Diseases †}	7.5	5	-	-	-	1	2	2	-		(Suicide.)									
Premeture Di	0		-	-					-	-	Gunshot Wound Cut, Stab	1.3	1.	-	-	-	1	-	-	-
Premature Birth Atelectasis †	33*5	46	46	-	-	-	-		-	9	Poison	1.9	7	-	-	-	2	4	1	-
Congenited Wellen	_	1	1	-	-	-44	-	-		1	Drowning	1.5	1 2	- 2	-		-	-	1 1 2 1	-
MOUS	6.4	8	7	1	-		-		-		Otherwise	0.2	1		-	-	-	-	1	-
Old Age	43.0	41	-	-	-	-	-	23	21					-		-	- Territory is		1	
Apoplexy	39.7	40	_		,		-	-	-	- Charles	(EXECUTION.)	CODE								
Epilepsy	7.6	6	~		1 2	3 2	15	19	2	-	Hanging	0.0	1	-	-	-	-	1	-	-
Convulsions	56.9	58	47	11	_	4	1	1	- 1	-	The state of the s									
Other Diseases of Brain }	89'1	86		17	4	G	10	35	5	-	OTHER CAUSES †	97.0	73	69	-	-	-	-	4	-
		- 1			- 1				1	-			A.C. Parties		}		1		-	
The numbers in this ed	olumn are	the a	rera	ge W	eekl	v I)e	aths	for	the to		rears 1880-89, raised by 9°04		2 four	0000		£ mar	ar Int	ion		-

is ten years average could not be correctly ascerdained, the average for the eight years 1882-9 has been used.

is ten years average could not be correctly ascerdained, the average for the eight years 1882-9 has been used.

is ten years average could not be correctly ascerdained, the average for the eight years 1882-9 has been used.

When collaterdant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered are the result of a collection of the result of accident, impressing the case is returned under the heading "no statement."

Pridonce at inquests is often insulineent to enable the Goroner to certify whether a violant death be the result of accident, impress, where or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—FORULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-FOX, MEASLES, SCAR, during the Week end

1					_		mi	Date	m77.0 1	egiste	and i		durin	-			i
					=		The	DEA	THE	Deat							
	Enume-			Dant				1	1								Public
REGISTRATION	Popu-	THP.	DEATER	of Age.	aged 60	:5		Fever.		-cough,		(or	con-	,		Cases.	
SUB-DISTRICTS.	lation, 1881.	BIRTH		r of A	60 M	l-pox	les.		therig	Whooping-	us.	rie (ole co	Diarrhœa	Violence.		hs in
		Total	Total	Infants Year	Persons Years	Small-pox	Measles	Scarlet	Diphtheria	Who	Typhus.	Enterie (o	Simple c	Diar	Viol	Inquest	Deaths
-pactypooli demonity speem Telephonist (page-page-page-page-page-page-page-page-				-					-	AF	-	11	1	177	73	134	40
rondon	3,815,704	2557	1683	554	327		10	19	36	45	-	3	-	41	18	26	7:
West Districts North Districts	905,947	390 569	292 362	91.	56 79	-	20	9	11	11	-	2	-	37 14	14	25	8
CENTRAL DISTRICTS	282,238 692,738	147 478	112 333	35 110	16	-	3 15	4	6	8	-	1 2	1	25	19	38	8
EAST DISTRICTS - SOUTH DISTRICTS - AND	1,265,148	973	551	199	95	-	34	6	8	18	-	3	-	60	22	38	3
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON WEST DISTRICTS.				-	12		-	-	-	1	-	1	-	5	-	4	1
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69888 37880	43 16	26 16	14 2	6 3	-	3	-	1	-	-	1	-	8	5 -	5 2	16
Kensington Town Ww - W.M. & C. Brompton H - W.M. & C.	120141 48010	78 11 2	48 13 2	15 3 1	16	-	1	-	-	-	-	-	-	1	1 -	1	4
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Ww	7599 64340 42900	49 61	36 39	14 18	2 4	-	3 2] -	-	1	-	1	-	12	2	1 4	5
Chalas Canab WHH's U.	30396 24925	16 17	10 15	3 4	3 1	-	1 -	-	- 2	-	-	1 =	-	1 - 2	1 -	3 -	5
Chelsea North-east C.	32807 80353	19	12	5 -	9	-	-	1 -	2	-	-	1 =	-	2	2	1 2	7
Belgrave WHHH C.	59220 35496 24679	25 19 12	12 12 18	2 4 1	3 2 4	-	-	-	-	1	-	-	-	1	2	1 2	9
St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J St. Anne Soho HHHHHHHH - N R.	29941 16608	9 7	7 4	1	ī	-	-	-	-	-	-	-	-	1	-	-	
NORTH DISTRICTS. All Souls Marylebone HHHHH W.M.	26759 14891	10 7	7	1 -	1 -	-	-	-	-	-	-	1 -	-	1 -	-	ī	
All Souls Marylebone HHHH - W.M. Cavendish Square HHHH - G.J. & W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb HHH G.J. & W.M. Christchurch Marylebone HH - W.M. Christchurch H - W.M.	24809 21118	9 17 30	7 9	5 6	1	-	2		=	-	-	-	-	1 3	-	-	
		13	13 23	7 3	9	-	1	-	- 1	-	-	-	-	3 -	1 -	2 2	1
Hampstead WwllHHH - N.R. & W.M.		22 10	10 13	1 5	2 3	-	2		ī	1 - 1	-	-	-	1	1	3	
Tottenham-court while I - N.R. Gray's Ina Lane HHH - N.R N.R.		14 14 19	11 11 13	2 - 5	3 1 4	-]		1		-	-	-	2 3	i	-	
Camden Town WH N.R.	87487	56	36	17	16	-	4			1		1	-	3	1	1 2 2	1
Upper Holloway WWwH - N.R. Islington South-west HII - N.R. Islington South-east - N.R. Highbury H - N.R.	100976	58 45 29	36 15 16	18 5 4	5 2					=	-	: =	- -	1 1	2	2 2	
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	17 6 25	10 4 15	3 1 3	4						-			1 2	ī	1	١.
West Hackney H N.R. Hackney WuwwH - E.L.&N.I. South Hackney E.L.	£. 76911	EM.	46 16	10		-		2 6	3				-	0			2
CENTRAL DISTRICTS.	. 16681	3	2		3 2			- -	- :		-	: : :		1	1	1	
St. Giles South WH N.R. St. Giles North N.R.	14864	6	18		2 -		- 1	-	-	1 -						-	
St. Martin-in-the-Fields HH N R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	8559	1		2	1 1		~		- -			-		l i			
Strand Union Workhouse, Edmonton w	1867	$\frac{2}{7}$	1			2				2 .			- :		1		
St. Andrew Eastern W - N. H.	1070	8 14		1 1	4		-	-	-			- 1	- :				
Amwell Clerkenwell - N.H.	2. 1928 2. 1477	1 14		7	1 4	-	-	-	-	-	ī	-	- :	- 1:			-
Gla-street H N.I	3. 1750 3. 1154 3. 1862	6 12	1	5 2	4 2	i	-	-	-	-			-			L 2	2
Whiteeress-street - N.	R. 921	7	L	2 4 3	1	1 3	-	-	-	-	-	-	-	- .	- -		
St. Botolph H - N.B. &E.	1111	4	3	3 2	-	2	-	-	-	-	-	-	-	-		- .	1
Cripplegate N. St. Sepulchre H N. St. Bride W N. Allballawa Barking - N.	R. 1 534	8	4	3 4	1 _	1	-	-	-	2	-	-	1	7	2	- ;	
Allhallows Barking - N. Broad Street H - N.	R. 1866 R. 568	36	-	ī	-	-	-	-	=	-	-	-	-			-	-

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: Whomse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establisting inmates from other Districts than that in which, it stands. The Roman crotests signify the Water Companies which supply the sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelesa; S. Southwark and Vankhall; L. Lambeth; N. River; E. L., East London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHERA, VIOLENCE, &c., registered in each Sub-district sturday, 2nd August, 1890.

aturday, 2nd August, 1890.		7								Intl								-
				The DEATHS registered in the Week include														
-	Coume-	-		Dea	ths o		- Donate Hom											1
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTES.	Total DEATHS.	Intants ander 1 Year of Age.	Persons, aged we	1 5	Measics	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterne (or Typhoid) Fever.	cinued kever.	Diarrama.	Notenge.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes of Prencis.
TAST DISTRICTS. oreditab South HL^* - N.R., otton New Town 40 N.R., otton Old Town N.R.	22843 29937 28036 46275	19 20 21 27	12 18 5 34	4 8 3 8	3 5 6		91	19	4111	1	1 4 1	1.1.1	1 1 1	4 6	1	8 1 3	24	111
ethnal Green North H E.L. ethnal Green South E.L. thnal Green East WHL^* - E.L.	51157 34399 41405	44 28 31	21 7 19	8.4.8	4 1 11		1.1 1.	-	3	1	- 1	1	-	2 1	2	4	10	
italifalds E.L. & N.R. le End New Town W hitechapel Church H codman's Fields E.L. dgate E.L. N.R. & E.L.	22585 15473 17490 9713 6102	17 17 8 - 2	9 12 24 8 2	6 4 3 . 2	284	13111	1	11.01	1111	14. 14. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1. 1.1.1.1	1	9 1 1 1 1	111111	1 4 -	1 1 5	2 19	111111
George's, North John, St. George East W - E.L. adwell H E.L. & N.R. tellh E.L. E.L. & E.L.	88747 8410 10395 16107	25 5 6 13	13 8 14 7	9.	3	4 7 4 4	3.	-	1 1 1	4.70	2"	11.1	1 -	2	1 2	1 1 2	3	
telifi - E.L. mehouse - E.L. le End Old Town West H - E.L. le End Old Town East Word H- E.L.	37960 67653	28 25 49	14 14 24	8 7 5 4	2 2 7	+	1 2	1	1	-	-	-	-	2	1:	1 2 1		1 1
w L* omley wowH E.L. plar WWH E.L.	87074 64359 55077	19 48 36	11 33 29	10	1 11 3	111	19	1	1111	2 1		111	41 45	2 1	8,	-	3 4 1	1
SOUTH DISTRICTS. ristchurch Southwark WH L. & S. Sariour Southwark - S. dar-road - S. & L. rough-road WH - S. & L. ndon-road HL - L. & S. uity Newington - S. & L. Hary Newington - L. & S.	3663 14999 21391 15953 21818 26672 59555 21623	8 11 17 11 22 25 86 23	5 11 10 9 10 8 16	85486899	1 2 - 1 - 1 -	011 64 61 10	1 1 1 3	tinier	I - I	3 -1 -1 -2 -2 -2 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	THEFT FI	i de la constanta	TI LET OF E	1 2 2 1 2 2 2	1	1 1 1	1 - 9	2
Olave WH ather Market S. & L. Mary Magdalen W S. James Bermondsey S. therhithe WH S. & & K.	11956 16800 15689 54682 36024	8 11 8 43 27	22 . 7 . 7 . 17 . 15	- 5 2 7 7	3 1 -	11.11.	3	11111		1	1114	1111		3 2 - 2	- 1.	6 2	3	
Merico-road ist H - I_h & S_h	15195 16351 19876 39859 45238 35832 62837 19017	9 20 12 35 33 14 84 13	9 9 15 22 15 10 21 9	6 4 5 11 3 4 8 4	35254	1917111	1 2 1		1	- - - -	1 1 1 4	1	14 1 14	3		2	7.	1
t Battersea	54675 52587 36380 28004 18235 26553	47 40 18 84 10 25		21 10 2 6 1 8	9 - 8055	LI CI EL	2 8 2 4 -	territoria	1	2	-	1	-	3 1	1		- - 1	
wich woL*L* - L. & S. a L. bham w - S. L., & K. George Camberwell - L. & S.	5590 59104 71089 50810	3 36 48 62	2 22 24 25	5 9 7	9 6 4	1119	ī	-1.0.0	1				-]. ;	3	1	1 10		
Paul Deptford & - K. Nicholas Deptford - K. conwich West H - K. conwich East WHH - K.	76752 7901 21972 24603	57 5 13 29	31 1 10 23	10 1 8 8 8	3 1 7	1111	1 - 3	8	1		- .	70				2 4	-	
lam H K. H K. Visham WH K. caham H L.	5048 21559 19865 26076	2 10 22 18	3 2 10 6	- 8	3 2 1 2	17117		111		2	10					2	2	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10930 17617 19049 14009 19241	6 17 11 16 24	2 6 3 4 11		3	11111			11111	1 .	- 100				2		FAJFI	
ital Ships and Camp, Dartford - chunore Hill Hospital ham Asylum - siden Asylum - siden Asylum - land Asylum - lini Asylum - lin	1.	111111111	6 8 10 4 3 4 2 1		3 1 5 1 1 - 1			13111111						3	1	6 3 10 4 3 4	TELLEVILLE	
													_			-	_	

Table 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylum Area; Population; Births and Deaths registered during the Week ending Saturday, 2nd August, 18

	3 1	Area			The DRATES registered in the Wesk include												
Regis-		in Acres,	in Acres, Enume- Deaths of Deaths from														
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	indu- ding Tidal Water and Fore- ehore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-ough.	Perer.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public
LON	IDON-OUTER RING	370,924	950,957	809	391	139	80	-	31	1	4	14		38	11	27	19
30:1	Carshalton wZ - Epsom (part of)* WwH	12228 9971	21118 10710	16	5	1	2	× 1	-	-	1	1	9			7 -	3
37:1	Godstone (part of) * -	2784	1935	H	-	-	1-1	1			V . A	-	-	i	2		4
38:1	Croydon Ww L - Mitcham w -	20851 11697	101341	65 20	29 5	8	11	1	1			1-		.5 -	Ш	i	
89:1	Wimbledon HHH -	3220	15950	11	5	3	1 -1 -1	1.4	1			-	2 -1	1	1	1	-
8	Kingston WHH Esher (part of) * -	8849 6601	36354 9221	17	2	1	- 1	-	1	-	-	-		-		-	-
40:1	Hampton H Richmond WH	4573 2272	13539	9	3	1	2			-,			-	1-1		-	1
2	Mortlake	2941	12381	11 15	10	2	1 2	1000	6		-	1			-		
43:1	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	15669	31142 15844	9	6	3		-	-		[-1-	-	-		- 1	-
42:1	Bexley H Dartford (Ww, pts. of)*	18437	24134	16	10	3 -	6 -	11	-	-	-	-	-	. 1	7	-	1
124: 1	Sunbury w	11055	11683	8	9	- 8	2	-			-	2	-	-	-	-	1
125; 1	Staines W Hillingdon WHH -	18277	10802	9	2	1		-	-	\ -:	-	-	-	-	-	-	
2 8	Uxbridge Hayes wHL	6178	3225 11528	11	3	2	-	-	-	-	-	-	-		1-1	-	100
126: 1	Isleworth WHH -	7008	22727	13	9 5	4	2	-	1	-	i	1-	-		2	3 ;	. 1
. 8	Twickenham H Brentford HL	4845	12479 27649	14	7	2	1	-	1	-	-	-	-	1 3	1	1	1
5	Chiswick	1340 6088	15975 22876	11 23	6	8	1 -	-		-	1	-	1	1	-	47.0	1.5
127:1	Harrow H Edgware H	13809	12796 3749	9	9.	1 -	5 -	-1		-	1 -	-	-	-	3	8	
8	Willesden	4383 8382	27453 10484	32	18	11 2	2 2	-	1	-	:	.1	1	4	1	1	
137:1	Bushey	1886	.6681	6	3	3		-1	-	i_ ;	-	-	-	1	-	1	
126:1	Watford (W, pt. of) -	158 99	6891	9	3	1	1	-	-		-	-	1	1	-	-	
3	Barnet	54 88 46 38	10092 17615	13	2 6	3	2 2	-	1	-	-	1	-	-	-:	1 -	1
185 : 1	Hatfield (part of) *		388	70	-	-	-	-	-	-	-	-	-	-	-	-	
199:1	Hornsey H Tottenham H	8089	37078 46456	30 70	11 35	15	2 9	-	3	1	-	1 -	1	4	1	1 4	
3	Edmonton Ww : -	7488 12653	23463 19104	26 19	9 12	2	-	12	8 2	113	-	1	-	1:	-	1 -	
8	Waltham Abbey -	11017	5368	8 2	4 3	3	1	-	1	-	-	1	1 -	-	-	-	1
186:1	Cheshunt		38606	28	13	8	2	-	-	1	1	1	-	1	1	1	
3	West Ham wwH -	4055 - 3296		102 21	58	28	3	1:	1	-	1	2	8 -	9	1-	-	-
4 8	Leyton WwL		32430 28869	85 84	12	5 7	8	1	2	1-	-	1	-	8	11-	-	
187 : 1	Chigwell (part of) * 6	11761	9659	6	1		-	-	-	-	-	-	-	-	1:	-	
189:1	Epping (W, pt. of)* Romford (part of) ** H	1	3411	1	1	1	1.	-	-			1		-	-	-	
2	Ilford	8498	7645		73		3	-		-	-	1	-	1		1	

^{*} The parts of sub-district, except the parishes of Ashatead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godet district; 39:3, Esher sub-district, except the parish of Esher (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godet district; 39:3, Esher sub-district, except the parish of Esher (pop. 1263); 41:1, Bromaly sub-district, except the parish of Cathead (pop. 1818); 41:2, Chigwell exh-district, except the parish of Chelsdeld (pop. 1874); 135:1, the parish of Northaw m sub-district; 187:1, Chigwell exh-district, except the parish of Theydon Bois (pop. 1876); 139:1, the parish of Dagonham in Homford sub-also deaths in Workhouses belonging to the Outer Ring in 43:2, Dartford, 137:3, Watford, and 137:2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 2nd August, 1890.

Area					-	The Da	ATH	regi	stered	l in t	he W	ook	includ	le	
in Acres,	Estimated Population	per 1000 living.		DEATHS	Deal	Deaths from									
tidal water and	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhos.	Violence.	Deaths in Public Institutions.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	-
448,334	5,758,500	18.8	4.2	2074	693	407	-	113	20	40	59	17	215	84	424
77,410 870,924	4,481,661 1,336,839	19°8 15°3	4°4 3°6	1683 391	554 139	327 80		82	19	36	45 14	12	177		405
	Ares, including tidal water and foreshore.	including dials water and foreshore. 1. 2. 448.334 5,758,500 77,419 4,481,661	Acres in Acres including tidal water and foreshore. 1. 2. 3.	in Acres, including tidal water and foreshore. 1. 2. 3. 4.	Acres Restimated Population, middle of and foreshore.	Acrea in Acrea in Acrea in Causes Causes in Cols. Dearts from ALL (CAUSES IN COLS.) Dearts from ALL (CAUSES IN COLS.) Dearts from ALL (CAUSES IN COLS.) CAUSES IN COLS. CAUSES IN	Causes Retimated population, middle of water and foreshore. Retimated law at the foreshore Prom All Causes Prom Diseases in Cols. Prom Diseases Causes Prom Cols. Prom Diseases Prom Cols. Prom	in Acres, including tidal water and foreshore. 1.	Deaths of Deat	Causes Retimated population, tidal water and foreshore. Retimated population, tidal water and foreshore. Retimated population, tidal water and foreshore. From ALL CAUSES. Total Columbia Total Colu	Death of Death of	Retimated foreshore. Retimated foreshore. Retimated foreshore. Retimated foreshore. Retimated foreshore. Retimated foreshore. Retimated foreshore. Prom Diseases All in Cols. 8-14. Deaths of Deaths of Deaths from ALL Infants under 1 Year of Age. Tears and of Deaths from ALL Infants under 1 Year of Age. Retimated from ALL In	Retimated From Prom timated Population, middle of Retimated Population, middle of Retimated Retimated Population, middle of Retimated Retimated Population, middle of Retimated Retimated Retimated Population, middle of Retimated Retimated Retimated Retimated Retimated Population, middle of Retimated Reti	Acreating Acre	

OTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

1004	POPULATION	Dame			ANNUAL	Di	EATHS	FROM	PRIN DISEAS	ES.	ZYMO	
Citins.	(enumerated or estimated).	DATE OF RETURN Week endin		DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	2 X X MO 1	Diarrheal Diseases.
LCUTTA	433,219	June	7 -	170	20.4	4	2	-	1	-	58	29†
MBAY	773,196	July	8 300	352	19.7	1	2	. 9	. 6	2		16+
ADRAS 4 -	398,777	June 2	0		-	-	-	-	-	-		-
RID	2,260,945	July 2	6 1089	860	19.8	-	49	3	28*	5	13	78
RUSSRLS	477,288		6 228	154	16.8	-	5		, ;=			22
8 Faubourgs.)	400 000		2									
	406,302		6 277	118	15.1	1	7	-	3	~		
EB HAGUE -	203,486 156,497	7	6 140	59	16:3	-	1	100	-	1		
					19'6		6			, min.	₩.	-
PENHAGEN -	312,387		1	117	19.5		8	4	7	2		12
OCKHOLM -	236 350		9 140	. 65	14'3			6	1	1	1	7
RISTIANIA -	143,300	99	6 33	59	21.4			1	2		-	13
. PRIBESBURG	812,000	υ 1	9 -	476	29.5	-	24	- 20	12	2	. 15	117
BRLIN	1,526,887	» · . 1	2 865	657	22.1	-	20	- 5	15	14	1	126
AMBURS(State)	875,276	, 1	9 426 .	261	23.7	-	20	1	5*	- 4	3	32
RESDEE	269,250	a 1	9 175	102	19.7	-	5	-1	2*	-	-	-12
REGLAU	324,400	ss · 2	6 260	173	27.8	-	-	8	3*	-	3	43
UNICH	298,000	22 2	6 -	176	30.7	-	4	4	~ 7*	2	~	- 65
BRAY	\$22,176	,, 2	6 467	329	20.8	1	8	. 2	4	2	-	42
PAGUE	214,425	** 2	11	134	22.2	-	9	· 2	3	1	3	6
UDA-PESTE -	463,017	29	1	246	27.6	-		. 2	: 9	2	1	-61
RIESTE -	160,092	39 2	6 98	81	26.3	-			-	1	-	12
OMB	418,217	June 2	8 -	14 8	-3i =a -	-		-		-	-	
URIN (10 days)	314,827	2	0 206	163	18.8	1	1	-	-	2	5	22
BRICE	.136,513	July 1	2 74	60	20.0	2		-	. 2*	1	2	-11
ATRO	374,838	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 345	305	42.3	-	4	-1	1 4	-	23	102
LEXANDRIA -	231,396	\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 146	160	36.0	1		-	-		16	42
W YORK .	1,617,907	w 1	2	1157	37.0	-	25	5	21	14	6	367
ROOKLIN .	859,612		2 -	608	36*3	-	1	-1	16	5	4	204
MILADRIPHIA -	1,064,277	n 3	2 -	553	27'1	-	1	2	10	9	13	111
ALTIMORE .	500,343	, 1	2 -	260	27.0	-	2	. 3	3	, 2	10	66
NEW OBLEAMS -	254,000	psi .	5	185.	38.0	-	-	1	1	***	- 4	20
		Including do	H		J			1				-

Including deaths from croup.
 Including 10 deaths from cholera in Calcutta, and 1 in Bombay.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the HOYAL OBSERVATORY, GREENWICH, during he Week ending Saturday, 2nd Augusty, 1899. [Under the Superintendence of the Astronomer Boyal.]

the aggregate duration of bright smishine on each day. The results of all the meteorological observations are to be understood as applying to the The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement The numbers in column 29, derived from the Campbell-Stokes Sanshine Instrument, show vil day, or from midmight to midmen.
The reading of the barometer decreased from 29.85 in, by none on the 29th; decreased to The height of the cistern of the barometer is 159 feet above the mean level of the sea; no of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air and minimum thermometers, forming the mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygroy 9h. A.M. on the 28th of July; increased to 29.85 in. by noon on the 29th , decreased Observations are usually taken at the A.M.; noon; 3h. P.M.; and the Wet builb thermometer, eye-readings of the barometer, the dry builb thermometer, and the wet builb thermometer. converted into mean daily values by the application of corrections deduced from a discuss In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," their readings are registered by the Clerk of the Market, under instructions from m. moderute; s. strong; The record of Bleckricity is derived from Thomson's self-registering Bleckremeten. symbols, employed are: --P. positive; N. negaiive; W. weak; m. moderate; s. strone: in a Gauge whose receiving surface is 5 inches Sum 6-11 10.0 26 etric records for the 16 years ending 1875. The thermometers in the water of the Thames are suspended at a depth. of two Average of 16 Years. Sum +422 Miles. +144 49 ರಾಶಿ +136 88 24 Robinson's. Movement of the Air on each Day. Iorizontal Sum 2102 24 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. 0,0 Mean of 24 Pressure on the Square Foot. the surface, at the end of one of the jetties of the 0.0 0.0 o.o 22 1.6 21 Great of the air from a discussion of the anemom civil day, or from midnight to midnight. column 8). The mean daily dew point W. & WSW. WSW. NNW. S.W. P.M. General Direction. SW. - "lower," than the average. SSW. &'SW. WSW. W. SSW. & W. A.M. Corporation of London. WSW. 19 metrical Tables. of the Water of the Thames at Deptford. 63.8 64.5 8.89 2.49 92.1 1.99 18 LOWest. v. variable. TEMPERATURE. 9.49 9.79 8.49 65.0 65.5 9.99 9.99 65.1 est. Lowest on the Grass. 53.5 46.7 2.67 0.67 43.2 Of Radiation. Very fine: small amounts of light cloud generally prevalent till evening; cloudless at night. Fine in morning; cloudy till afternoon; overcast afterwards, with frequent rain till about \$h. F.M. Fine; cloudless in early morning; partially cloudy afterwards. A shower of rain about 10th, A.M. cloudy 124.8 High-est in Sun's Rays. 8.60 42.1 1.911 partially 14 2 20 86 81 94 11 of fine at night, GENERAL REMARKS. Very fine; cloudless in morning; afterwards. A shower Difference between the Air Temperature and Dew Point Temperature. 0.0 12.0 8.41 2.01 24.0 2.61 25.0 Greaf 12 est. generally. 2.01 Mean daily value. 11 Cloudy; fine. Of the Dew Point. Mean daily value. 55.6 57.8 0.49 1.19 53.3 \$50.4 52.8 10 0.1 7.9 2.8 8.0 1.3 1.6 6. + + + TEMPERATURE. Registered Sun above Sunshine, Horizon, in hours. in hours. 64.7 59.5 62.3 61.3 0.89 6.79 12.6 15.3 90 12.2 15.5 P.91 9.91 Of the Air. 20.2 0.65 2.91 22.6 16.3 13.5 24.5 7 1.4 3.0 1.0 3.6 9 27.5 53.9 53.7 9 .09 4.42 w. P. till evening; 78.2 1.89 P. in morning; afterwards. 16 evening; (For explanation of symbols, see Note.) w. P. thronghout w. P. throughout ELECTRICITY. 29.680 024.63 in. 29.781 59.806 708.62 29.839 w. P. till cm. P. at night. W. P. Full. of the W. 8 81 200 28 83 56 80 67 28 23 No. of Col. WEDNESDAY AUGUST. JULY. MONTH AND DATE. 1890 JULY. THURSDAY MEANS MONDAY TUESDAY SUNDAY LHURS. WHD. TURB. DUN. Mon. AAT.

OFFICIAL COPY.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 32. 1890. Vol. LI.] WEEK ENDING SATURDAY, AUGUST 9.

Price 11d.

General Register Office, Somerset House, 12th August, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in Twenty-eight Great Towns of England and Wales corresponded to an annual rate of 19·2 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending	-			Weeks	ending	3
Towns.	July	July	Aug.	Aug.	Towns.	July	July	Aug.	
	19.	26.	2.	9.	1 2 2 10 10 10 10 10 10 10 10 10 10 10 10 10	19.	26.	2.	9.
Birkenhead	15.4	18.4	15.9	23.8	Liverpool			21.0	
Birmingham	16.9	16.9	19.4	20.1	London			19.8	
Blackburn -	16.9	13.1	18.6	14.3	Manchester -			26.1	
Bolton -	18.9	20.3	20.7	17.6	Newcastle-on-Tyne			25.3	
Bradford -	14.7	17.8	17.8	17.6	Norwich			18.6	
Brighton -	15.2	15.6	12.2	19.4	Nottingham -	15.5	16.2	13.6	
Bristol -	18.0	16.6	14.4	15.0	Oldham	12.1	13.1	16.3	15.3
Cardiff -	17.8	18.7	9.8	16.5	Plymouth	21.2	15.9	22.5	25.8
Derby -	11.9	11.9	15.5	16.0	Portsmouth -	10.9	11.7	19.3	16.0
	19.1	14.6	16.5	15.9	Preston			21.3	
Huddersfield	15.5	17.7	15.5	14.4	Salford			24.3	
Hull	12.4	14.4	16.3	14.4	Sheffield	21.5	19.3	22.4	24.4
Leeds -	21.6	17.3	20.2	19.5	Sunderland -	200	1 - 0	19.9	
Leicester -	19.6	16.6	18.2	19.3	Wolverhampton -	16.3	18.1	19.4	20.6

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·3 in Cardiff, 1·5 in Manchester, and 2·2 in Bradford; from scarlet fever, 0·8 in Manchester and 0·9 in Liverpool; from whooping-cough, 1·0 in Birmingham and in Birkenhead, 1·1 in Sheffield, and 2·2 in Norwich; from "fever," 0·7 in Leicester; from diarrhæa, 4·0 in Plymouth, 4·4 in Norwich and in Sheffield, 6·8 in Leicester, and 7·4 in Preston. The 34 deaths from diphtheria included 22 in London, 4 in Manchester, and 2 each in Portsmouth, Salford, and Newcastle-on-Tyne. No death from small-pox was recorded in any of the twenty-eight towns.

LONDON.

In LONDON 2176 BIRTHS and 1594 DEATHS were registered. Allowing for increase of population, the births were 489, and the deaths 77, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.7 and 19.8 in the previous two weeks, fell last week to 18.8. During the first six weeks of the current

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 63356,—6. 635.—8/90. Wt,

quarter the death-rate per 1000 averaged 18.0, being 2.6 per 1000 below the

mean rate in the corresponding periods of the ten years 1880-89.

The 1594 deaths included 95 from measles, 17 from scarlet fever, 22 from diphtheria, 37 from whooping-cough, 11 from enteric fever, one from an ill-defined form of continued fever, 176 from diarrhea and dysentery, 4 from cholera and choleraic diarrhea, and not one from small-pox or typhus; thus, 363 deaths were referred to these diseases, being 44 below the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 8; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and only one in the Highgate Small-pox Hospital. deaths from measles, which had declined from 104 to 82 in the preceding three weeks, rose last week to 95, and exceeded the corrected average by 53. The deaths from scarlet fever, which had increased in the preceding three weeks from 12 to 19, declined last week to 17, or half the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1493 scarlet-fever patients at the end of last week, the numbers on the preceding eleven Saturdays having increased from 1067 to 1505; 118 cases were admitted during the week, against 135 and The deaths from diphtheria, which had 168 in the preceding two weeks. increased from 19 to 36 in the preceding three weeks, declined last week to 22, exceeding the corrected average by 2. The deaths from whooping-cough, which had been 62 and 45 in the preceding two weeks, further declined last week to 37, or 3 in excess of the corrected average. The deaths from diarrhea, which had been 107 and 177 in the preceding two weeks, were last week 176, and were 68 below the corrected average; 166 were of children under 5 years of age. The deaths of an adult and of two infants were attributed to choleraic diarrhea, and that of another infant to infantile cholera.

The deaths attributed to enteric fever, which were 2 and 11 in the preceding two weeks, were again 11 last week, and 4 below the corrected average. The Metropolitan Asylum Hospitals contained 63 cases of enteric fever, and 4 of typhus, on Saturday last; 11 cases of enteric fever were admitted during the week, against 8

and 25 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had been 185 and 215 in the previous two weeks, declined last week to 197, exceeding the corrected

average by 8.

Different forms of violence caused 50 deaths, concerning all of which inquests were held. Of these 50 deaths, 5 were cases of suicide, and 2 of murder, while the remaining 43 were attributed to accident or negligence. Two of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 11 by drowning, and 10 (of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 2915 births and 1991 deaths were registered, corresponding to annual rates of 26·4 and 18·0 per 1000 of the estimated population. In the Outer Ring the deaths included 58 from diarrheea, 15 from whooping-cough, and 12 from measles. Of the deaths from diarrheea 21 occurred in the district of West Ham; the deaths from whooping-cough included 7 in the district of Edmonton; and of the deaths from measles, 3 occurred in the sub-district of Croydon.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during July will be found on pages 327-328.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.95 ins.; the highest reading was 30.06 ins. on Monday evening, and the lowest 29.78 ins. at the end of the week. The mean temperature of the air was 62°.6, and 0°.1 below the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on

Monday, Tuesday and Wednesday, but was below the average on the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 5.7 miles per hour, which was 5.0 below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 30.5 hours, against 52.1 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of July 1890; according to their returns 185,949,769 gallons or 844,855 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 243·1 gallons (110·5 decalitres), rather more than a ton by weight, to each house, and (assuming 7·8 persons to each house) 31·2 gallons (14·2 decalitres) to each person, against 31·7 gallons during July 1889.

COMPANIES.		Houses, &c. lied in	Average daily S in Ga	supply of Water llons.
	JULY.	JULY.	JULY.	JULY.
	1889.	1890.	1889.	1890.
TOTAL SUPPLY	753,479	764,832	186,383,203	185,949,769
From Thames .	363,086	368,572	93,636,938	94,514,149
From Lea and from other Sources	390,393	396,260	92,746,265	91,485,620
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	35,026	35,510	10,337,617	11,283,926
	71,876	73,243	17,247,468	17,099,169
	111,255	112,227	25,800,461	25,907,946
	55,563	56,311	19,250,692	20,284,226
	89,366	91,281	21,000,700	19,938,882
LEA AND OTHER SOURCES. New River East London Kent	152,621	153,475	35,437,000	34,784,000
	165,343	168,579	44,274,138	43,946,249
	72,429	74,206	13,035,127	12,755,371

Note.—The Return for July 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,353 houses, and a decrease of 433,434 gallons of water supplied daily.

Analysis of Metropolitan Water Supply during July.

Water-analysis Laboratory, The Yews, Reigate, 31st July, 1890.

SIR, I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of July.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the Tottenham Local Board of Health, was:—Kent 0.4, New River 0.7, Colne Valley 1.2, Tottenham 1.3, East London 1.5, Southwark 1.7, West Middlesex 1.8, Grand Junction 1.9, Chelsea 2.2, and Lambeth 2.4.

The water drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was, in every case, efficiently filtered, and the improved quality which

it has of late exhibited has been fully maintained.

The water obtained chiefly from the River Lea by the New River and East London Companies was also efficiently filtered, and exhibited a high degree of organic purity, the New River Company's

supply being again especially distinguished in this respect.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of great organic purity, that delivered by the Kent Company contained only mere traces of organic matter. These waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the New River, Kent, Colne Valley, and Tottenham waters were clear and colourless, the East London clear and nearly colourless, the remaining waters

being clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear and bright, but contained an unusually large amount of organic elements." Dr. Mill, F.R.S. of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little " suspended matter. The hardness remains unusually low."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR	Companies Local Authorities.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsea	Tuly 4th, Cab Rank, Horse Guards, Whitehall.	0 17.1	25.18	•105	•026	0	154	•180	1.7	19.0
	West Middlesex -	Stand-pipe, Riding House-	14.8	27.20	*087	.017	0	141	*158	1.7	18.6
	Southwark	July 4th, Cab Rank, Bricklayers Arms, Old Kent-road.	17.5	25.96	.080	.018	0	*138	156	1.7	18.6
Inner Circle.	Grand Junction -	July 4th, Cab Rank, Uxbridge-road, near Marble Arch.	17.5	24.92	.096	*019	0	146	165	1.7	18'3
Inner	Lambeth	July 4th, Cab Rank, St. George's- road, Southwark.	17.8	24.26	.116	*027	0	150	177	1.7	18.6
	LEA. New River	July 4th, Cab Rank, Tottenham Court-road.	17.0	27.46	.030	.012	0	.185	197	1.7	20.0
	East London -	July 4th, Fire Brigade Station, Commercial-road, E.	17:4	25:72	065	.021	0	158	179	1.8	19:1
ė	DEEP WELLS.	{ July 4th, Mill Lane, Deptford. }	12.6	41.38	.017	*007	0	•510	•517	2.4	29.0
Outer Circle	Colne Valley « «	July 13th, Bushey.	-	19.10	*055	.012	0	*486	*501	2.2	8.3
Outer	Tottenham	{ July 9th, Tottenham. }	-	41.36	•059	*016	.070	0	*074	3.0	22.7
	poration of Birming-	July 8th, Corporation Wharf, Lancaster street.	15.0	26.92	184	.036	•001	264	*801	1.8	13.6
Cor	poration of Glasgow+-	{ July 15th, Loch Katrine Water. }	13.0	2:5	•127	.020	0	.003	.023	.75	•63
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
 Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is be to read thus:—the Chelsea Company's water, collected on the 4th July, at the Horse Guards cab-rank, had a temperature of 17°·1 C.; 100,000 lbs. of it contained 25·18 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained '105 lb. of carbon and '026 lb. of nitrogen. The above quantity of water also contained no ammonia, and '154 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '180 lb. The above weight of water also contained 1.7 lbs. of chlorine; and 18.0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

,								-		1 6/1	,		-	0,0	,	114		001	020	93	,•												028
	CHIEF	ğ		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON,	NORWICH.	PLYMOUTH.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTIINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	ROLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	HEESTON.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL,	SUNDERLAND.	NEWCASTLE.	CARDIER.	Enrapingu	GLASGOW.	DUBLIN.
	* 177	Centi-	nI me	24.	0.30	0.00	1.27	00 1	00.0	0.74	ı	8	0.02	1	1	0.15	ı	,	•	ı	1	1 1	1	80.0	8	1	00.0	1	99.0	1	00.0	0.13	99.0
RATMBATT		·seqo:	al al	23.	0.13	00.0	0.20	9 1	00.0	62.0	1	1	0.05	1)	1	90.0	1		1	1	ı	1 1		0.03	ı		00.0		0.55	1	7 00.0		
E AIR.	Mean.	.sbsrz	Uentii	22.	16.00	17.00	16.28	10 01	16.89	15.22	1	1	15.89	1	1	16.17	1	1	1	ı	ī	2 0	ı	16.28	ı	ı	12.11	1	15.83	1	15.eb	16.06	15.22
OF TH	M	-tieda	F'abre	21.	8.09	9.69	61.3	2 100	62.4	59.4 59.4	ě	8	9.09	£	8	61.1	1	2	8	1	1	1 1	ı	61.3	ŧ	1	2.69	1	2.09	ı	80.08		
TEMPERATURE OF THE AIR.	-	Lowest	Fahrenheit.	20.	44.0	1.87	51.5	0 1	£.12	46.5	1	f	49.3	7	1	9.00	1	8	l.	1			ı	54.8	1	ı	0.44	1	0.25	1	4R.A.		
TRME	.3	Highes	Fahr	19.	83.8	82.8	73.0	2 1	75.3	74.5	1	1	8.44	1	1	73.0	1	ı	1	1	3	1 8	1	0.92	ı	1	0.62	1	0.94	1	4.04		
Annual Rate per 1006,	he	mo ni sesa .SI-6	Fr Dise Cols	18.	4.0	4.5	0 :0 2 :0	1.1	1.3	1.3	4.5	8.1		3.1	2.0		6.0	6.7		1.4	7.3	H - T	0.0	4°0	3.0				_	4.5	9.5		
Annua per l	to 1	IIA m	E)	17.	19.2	18.8	16.0	19.7	25.8	50.6	20.1	19.3	14.5	16.0	23.8	9.13	9.41	8.27	17.8	15.3	14.3	14.4	15.9	9.41	19:51	24.4	14.4	9.41	23.4	16.5	17.5	19.4	9.81
	Hath.	bentified souto see	UsusU	16.	29	00	oo 1		1 1	1	4	1	00	1	1	22	-	÷	:0 :	21 :	- 1	01	1	67	-	23	1		90	-	19	28	-
	1 *8	ni saths in Public moitutite	u _l	15.	909	573	- 10	e2 .	10	00	25	90	90	1	es 5	620	3	38	0	÷ :	77	- co	67	00	12	18	7	co -	<u></u>	i	19	29	43
•		asst Cane		14.	216	103	24	00	1 10	4	G.	Ť	0.1	-	©3 ;	16	-	10 :	9 :	.,			61	*	9.	2	63	6	4	-	- 0.	, Oa	1
lude		•30H6	Viol	13.	118	20	٠ eɔ	-	1 00	ಣ	শ্বী	H	-	1	1	16	rd.	20	70 :	· ·	7 1	-	51	61	Н	9	67	9	67	1	4	# G	1
The DEATHS registered in the Weck include		.eeo d'i	Isid	12.	410	176	4 ro	00	20 T	्टा	21	20	2	00	₹ .	30	1	53	00 0	21 0	, F	9 01	1	6	15	28	-	Н	20	9	T.	12	90
the W		•13	E.C.A	F	25	2	1 1	Н	1 1	1	-	24	1	1		n	1		1	1 -	- 8	1	ı	á	p=1	-		1	1	ı	-	- co	0.3
ui þø:	from	-aniqoo	οο «Α.Ρ.	10.	80	37	- 1	4	1 1	1	6	1	1		67	က	1	01	24	;	1 -			m	60	7	31	r=i	63	pred .	-	13	ಣ
egister	Deaths from	.sizedia.	Dipl	9.	34	22	1 67	1	1 4	1	1	1	1	ind ind	1		1	vji	63	1	1	1	ı	1	-	1	ł	1	67	1	1	I H	1
ATH8 r		flet.	Igog	00	20	17	- 1	1	1 -	1	6.1	1	1	1	-	=	-	9	20	1 -	- 1	1	ı	1	1	- min	-	1	-	1	-	4 00	1
he DE.		.89[8.	Mes	7	152	95	- 1	1	I	ı	4	67	_		62	G	-	11		33	1 -	- 1	1	10	-	9	1	1	ı	ಣ		00	Н
H		.xoq-fl	Sms	6.	1	1	1 1	1	1 1	ı	1	ŧ	1	1	1	ı	1	1	1	1	1	3 3	1	1	1	1	1	ı	1	ı		ı	1
	aths of	ons aged Years tpwards.	09	6.	642	283	16	13	15	6	22	9	16	6	00,	32	1-	37	10	9	. O I	- 1-	• o	14	59	12	00	6	17	ÇI	06	66	다
	Death	ts under ear of Age.		4	1230	649	∞ μ	14	11	0	73	31	22	`00	11	81	1-	53	30	14	15	ςς υ	0 0	25	. 50	59	2.1	16	17	16	06	47	29
during			DEATHS.	3,	3578	1594	46	36	39	333	178	22	68	31	48	254	83	188	\$00 000 000	50 1	24	100	22	83	981 .	156	59	95	25	37	1.6	197	126
Registered during	the Week ending	Single Williams	SIRTER, D	20.	5040	2176	55 75	22	44	46	213	16	108	47	64	291	99	220	119	27	6. 8	40.10	119	110	226	203	108	68	123	88	130	362	178
1	Population to			-	9,715,559	4,421,661	123,659	95,352	78,780	83,406	461,865	154,844	244,909	100,871	105,019	613,463	115,846	879,487	242,509	146,716	123,553	94.253	82,034	240,515	365,799	332,837	213,833	186,506	162,987	117,012	271,185	530,208	353,082
				Cols.		•				TON			•	8	•		1	4		•		. 0	•		b	٠			•	1	•	à	•
	CITIES	AND BORUTGHS.		3	28 TOWNS	LONDON .	BRIGHTON .	NORWICH .	PLYMOUTH .	WOLVERHAMPTON	BIRMINGHAM	LEICESTER .	NOTTINGHAM	DERBY	BIREENHEAD	LIVERPOOL .	BOLTON -	MANCHESTER	SALFORD .	OLDHAM.	BLACKBUEN -	HUDDERSFIELD	HALIFAX .	BRADFORD	LEEDS	=	HOLL .	SUNDERLAND	NEWCASTLE .	CARDIEF.	EDINBURGH -	GLABGOW .	Бивыи.

TABLE 2. LONDON .- Births and Deaths Registered in the THIRTY-SECOND Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2602	2477	2304	2261	2212	2885	2655	2634	2228	2180	2664·9	2176
	1327	1286	1214	1162	1125	1505	1367	1851	1165	1129	1377·4	1099
	1275	1191	1090	1099	1087	1380	1288	1283	1063	1051	1287·5	1077
TOTAL Deaths Males Females .	1670	1578	1432	1312	1624	1472	1505	1885	1476	1366	1670·6	1594
	894	805	785	653	862	766	793	980	773	710	874·7	833
	776	778	647	659	762	7 06	712	905	703	656	795·9	761

^{*} The numbers in this column are the average weekly numbers in the thirty-second weeks of the ten years 1880-89, raised by 9'046 per cent. for increase of population.

TABLE 3. LONDON	DIRTH	o, DE	11110,	аци 1	ILETE	JKOLO	OF I	UILC	LIAST	THIE	EEN	WEEK	.0.
	May 17.	May 24.	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug.	Aug.
TOTAL Births -	2468	2443	2091	2399	2477	2516	2359	2480	2472	2346	2512	2557	2176
TOTAL Deaths -	1466	1451	1411	1393	1375	1387	1346	1481	1471	1522	1418	1688	1594
A con at 20 19	707 178 261 257 63	739 166 235 239 72	713 186 222 244 46	667 186 250 235 55	658 172 229 247 69	672 177 239 248 51	669 155 254 220 48	793 165 239 237 47	800 174 214 281 52	823 157 249 250 43	793 132 227 219 47	938 186 232 277 50	915 171 225 230 53
1-5	339 266 102	335 307 97	349 250 114	285 280 102	297 267 94	318 262 92	339 256 74	423 281 89	428 281 91	445 277 101	438 282 73	554 286 98	549 294 72
Deaths from Small-pox ,,, Measles - ,, Scarlet fever ,, Diphtheria ,, Whooping-coug ,, Typhus - ,, Typhus -		1 94 15 24 91	83 14 25 78	91 11 20 75	100 11 24 59	99 15 19 66	101 7 24 52 2	100 13 21 57	99 20 22 66	104 12 19 56	94 13 20 62	82 19 36 45	95 17 22 37
,, ,, Enteric fever ,, ,, SimpleContafev ,, ,, Diarrhœa and Dysentery -	} 17	10	10	8	11 15	6 1 24	51	6 2 85	107	111	107	11 177	11 1 176
", ", Cholera - ", ", all the above- mentioned Diseases		242	214	215	221	232	248	283	327	310	299	378	363
" " Dis. of Respira- tory System " " Phthisis - " " " Dis. of Circula-	300 154 124	294 117 121	259 116 117	229 138 131	240 138 122	215 131 120	206 136 99	244 115 105	225 132 108	216 150 117	185 110 107	215 147 118	197 126
tory System Violent Deaths Inquest Cases - Deaths in Public Institutions	45	66 119 324	64 123 328	50 109 331	36 87 327	54 86 314	49 99 299	55 97 311	40 100 321	49 113 347	56 111 333	73 134 405	50 103 378
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	55·3 - 67·4 - 45·6	71.0	54·0 65·9 44·0	56·5 67·0 48·1	56.6 67.9 48.1	59·3 70·9 49·8	60.6 71.5 52.5	55·7 66·6 48·6	55·7 65·2 48·4	61·4 72·1 54·3	61.6 73.9 52.6	62·9 74·4 53·9	62°6 73°8 53°2
Humidity of the Air - Rain-fall in inches - Registered Sunshine (in hour	1	65 0·14 71·2	65 0·07 51·9	76 0·31 25·1	81 0·76 28·4	76 0·38 29·3	82 0·78 36·2	84 1·77 23·5	83 0·86 17·9	81 2·08 21·7	75 0·08 44·6	77 0·11 31·9	77 0·00 30·5

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., L.D., Plymouth: R. C. Cann Lippincett, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-hampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and R. A. Whitelegge, Esq., M.D., Notting-ham: J. Hertnup, Esq., F.R.A.S., Liverpool; H. O. Pikkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull: A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Realth, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON .- DEATHS Registered at several groups of Ages from different Causes in the

				Гнт	RTY	-SE	CON	D 1	Weel	of the Year 1890.									
	for the 10 years		Satu	n the	We, 9th	ek e Aug	ndin ust	g 1890.			for the 10 years		Satu	In th	e w	eak e	ndin ust l	g 1890.	
	Pee Pee		D	eath		Pers	ons	of			ges for		D	eath	s of I	Perso Lges	ns o	f	
AUSES OF DEATH.	Corrected Averages 82nd Weeks of the 1880-89.	ALL AGES.	0-1.	Jade 20.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	so Years and upwards.	CAUSES OF DEATH.	Corrected Averages 32nd Weeks of the 1880-89.*	ALL AGES.	0-1.	Unde 20.	5-20.	20 and under 10.	40 and under 60.	60 and under 80.	80 Years and
ILL CAUSES	1670.6	1594	549	294	72	171	22	230	53	Diseases of Organs of Special Sense †	2.0	4	1	1	1	-	-	1	_
Small- Vaccinated! - Unvaccinated	2.0	-	-	-	-	-	-	-	-	Diseases of Circulatory	98.7	119	- 2		10	21	30	49	7
(No Statement Measles Jearlet Fever	3·1 42·0 34·5 1·2	95 17	24 2	67 12	4 3	- 4	-		-	Croup Bronchitle	12:0 93:0 61:3	5 99 70	2 40 21	3 19 21	ī	2 11	- 8	25	- - 4
Typhus	0.0	1 37	18	19		-	1 - 1	1	-	Pleurisy - Other Diseases of Respi- ratory System}	4.2	18	3	8	-	2	9 2 5	8 3 4	1
Whooping-cough Diphtheria Simple Continued and \ Ill-defined Fever	19.6	22	1 -	16	1 -	1	3	- 1	-	Dentition † Quinsy, Sore Throat † - Enteritis Peritonitis	13·8 1·6 16·7 8·0	6 25 6	3 15 2	7	2 1	-		1 2	1 1 1
Interic Fever Cholera and Chol, Diarr. Diarrhœa, Dysentery -	14·9 8·1 244·0	11 4 176	3	- 36	2 - 1	7 -	1 1 3	1 - 4	- 2	Diseases of Liver - Other Diseases of Digestive System -}	33.4	22 35	12	4	1	3 4	6	8 8	1
lemittent Fever† Iydrophobia Handers	0.2 0.0	- 1 -			-	-	-		-	Diseases of Lymphatic *System & of Ductless Glands †	1.9	4.	1	-	1	1	1	-	-
Cowpox and Effects of Vaccination † Vaccination Vaccinations	0°7	14	12	1	-	-	1	-	1 1	Diseases of Urinary System	85.8	36	1	1	-	10	12	12	-
Tysipelas Yamia and Septicaemia † Yuerperal Fever	6'3 2'4 4'8	2 2	1 -	1	1 1 1	2	1		1 1 1	Diseases of Generative System - Accidents of Childbirth -	4°0 4°6	4	-	-	-	2 4	3	-	
Chrush	4.2	1	1	-	1			-	-	Diseases of Locomotive System † }	7.1	6	-	-	1	1	2	2	-
Vorms and other Para-}	0.0	3-	-	1	_	2	_	-	-	Diseases of Integumen- tary System}	4'9	3	-		-	1	1	-	1
Breast-milk †}	2'7 5'9	2 13	2	-	-	3	9	1	-	VIOLENT DEATHS.§ (Accident.)									
Cheumatic Fever. Rheumatism of Heart† Cheumatism †	6.4 3.0	8	-	-	1	4	3	-	-	Fracture and Contusion Gunshot Wound Cut, Stab Burn and Scald	21.7 0.3 0.8 8.5	18 - - 4	3 - : #	2 2	4	3 -	1	4	1
dout	2°3 3°1 54°7	6 7 74	3 -	3	1	9	2 - 33	4 - 26	5	Poison	1.1 12.3 10.0 4.1	11 10	10 -		7	3 -			1111
abes Mesenterica ubercular Meningitis - hthisis	52'0 32'2 155'4	45 31 126	35 10 3	9 18 6	3 4	61	43	1 - 9	1 1 1	(Homicide.) Murder & Manslaughter	1.4	2	-	-	-	1	1	-	_
orofula, Tuberculosis - ther Constitutional Diseases †}	9.0 50	3	8	8	3	3	-	1	-	(SUICIDE.) Gunshot Wound	0.2	_	-	_		_	-	-	
remature Birth	37°7 3°2	42	42	-		-	-	1 1	1	Cut, Stab	2.0 2.0 2.1 1.4 0.8	3 - 1	1111		1111	11,11	1 1 60 1	1 - 1	1111
ons S	8·4 45·7	37	6	-	-	-	1	14	22	(Execution.)					-			-	-
Apoplexy	40·0 6·7 51·7	32 7 59	47	1 11	1 2 1	1 -	12	15	2 -	OTHER CAUSES †	0.0	74	68	3	2	-	2	8	1
ther Diseases of Brain }	90°2	89	15	15	11	5	17	19	7		82°3	74		}				0	

s column are the average weekly Deaths for the ten years 1880-89, raised by 9°043 per cent. for increase of population.

Prage could not be correctly ascertained, the average for the eight years 1832-9 has been used.

Pox only are returned as "vaccinated" or as "uavaccinated" which are so certified by registered medical men. When one not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not cartilled by a registered returned under the heading "no statement."

uests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, and also cases are classed under "avoident or negligence."

TABLE 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarling the Week ending

REGISTRATION SUB-DISTRICTS 10 10 10 10 10 10 10 1	J. HOLLDON												•	durir	ig th	e W	eek	endi
REGISTRATION SUB-DISTRICTS. 1410-A								The	DEA	THS	regist	ered i	n the	Wee	kins	lude		
REGISTRATION SUB-DISTRICTS. 1140a. 1240a 124		Emuma.			Dnat	hs of					Deat	hs fr	om				1	Γ
LICADION S.NILTON 1276 1004 540 283 95 17 22 37 7 11 1 176 50 103 373	PEGISTRATION					10.		1		1	-d	i	Jr.		-	Ī		olio
LICADION S.NILTON 1276 1004 540 283 95 17 22 37 7 11 1 176 50 103 373			THE	ATE.	der	pod (rer.		noo		Fev	1- Sver.			ges.	Pul
LICADION S.NILTON 1276 1004 540 283 95 17 22 37 7 11 1 176 50 103 373	SUB-DISTRICTS.		Bis			18 38 38 38 38 38 38 38 38 38 38 38 38 38	Tod-	802 202	F. Fe	eria	ing	· Si	oid)	e cor	nœa.	.901		i in
LICADION S.NILTON 1276 1004 540 283 95 17 22 37 7 11 1 176 50 103 373			otal	otal	Ight	rson	nall-	easle	arle	phth	роод	yphu	yph	impl	iarri	iolen	dues	Bath
Wast Directors		-	I	1		Pe	-8	M	S	ia	<u></u>	H	国	2	ū	<u> </u>	H	A
Wast Districts	LONDON	3,815,704	2176	1594	549	283	-	95	17	22	37	-	11	1	176	50	103	373
NOWED DISPINCTS		667.638	341	281	97	52		28	2	3	10	-	2		40	4	11	66
CARTHAL DISTRICTS		905,947	_		130	_				7						_		
Registration Regi			_		_					4				_	_	_	_	
Magropolitan Magrital And And Astronomy Astr	Comme Dramprome		_		_	_		_				, - .		_	54	20	_	
### TOWL LOSDOB*** ### Privations. ### Aug Privations. ### Privations. ### Aug Privati	BITTED OF THAN HOSPITALS AND			22		6	-	-	2	- 8	-	-		-	-	-	-	22
### 1984 1985 1985 1985 1986 1985	TION LONDON -																	
St. John Fadungson H. — W.M. 190141 Frompton H. — W.M. 19014 Frompton H. — W.M. 19014 Frompton H. — W.M. 19014 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — W.M. 1903 St. Pater Hammersmith — C. 1903 St. Pater Hammersmi	St Mary Paddington WHH G.J. & W.M		46	33		7	-	-	-	-		-		-	10	ī	-	7
Remispton flown W - W.M. C. 20010 15 9 3 1 4	St. John Paddington H	_	45	46	_		-	3		1					4		3	15
567. Peter Hammersmith — W.M. & C. 43900 51 30 15 6 - 7 7 - 3 - 1 - 7 - 1 1 3 4 4 1	Brompton H W.M. & C.	43010	15	9	3		-	1		-			-		1	_	1	
Fulham ### C. 0. 000000 13 13 0 9 4 1 1 1 1 2 Chelses South ### WHHHHE C. 0. 20007 19 10 2 2 1 1 1 1 1 Chelses North-west WHHHHE C. 0. 20007 19 10 2 2 1 2 - 1 1 2 - 1 1 Chelses North-west W## — G.J. 300303 4 0 3 3 4 - 1 5 5 May fully which with the with	St. Paul Hammersmith H W.M. & G.J.	64340	54		15			7		-			1	-	7	ĩ		
Chelsea North-weat WHHHHH C. S. SSSST 19 10 0 2 2 1 2 - 1 5 Chelsea North-weat WHHHHH C. SSSSST 19 20 2 2 1 2 5 Chelsea North-weat WHHHHH C. SSSSST 19 30333 4 4 0 3 3 4 - 1 5 Chelsea North-weat WHHHHHH C. SSSSSST 19 30335 4 5 2 - 1 1 2 2 5 Chelsea North-weat Westimater WHHHH C. SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	The Land Court HHH C.	30398			4	1	-	-			1	-	-	-	1		-	
May Fair WW G.J. 50353 4 10 5 4 1 5 1 1 1 1 2 2 7 1 1 1 1 1 1 1 1 1	Chelses North-west WHIIIII		19	10	2	2	-					- "	-		2			-
\$8, John Westminster HHH — C. \$14, Margaret Westminster H — C. \$15, James Westminster WHH N.R. & J. \$18, Margaret Westminster H — C. \$15, James Westminster WHH N.R. & J. \$24994	May Fair WW G.J.	59220	14	21	5	2		3					_ =	-	2	-	-	7
Sk Annes Most Hintster WHH NR.R.G.J. Sk Annes Most Hintster Hill Hill His Sk Annes Most Hill Hill Hill Hill Hill Hill Hill Hil	St John Westminster HHH - C.				2								-			-		8
NORTH Districts	St. James Westminster WHH N.R.&G.J.		8 7				-	1	-			. <u>.</u>		-				
All Bouls Marylebone HHHHH - W.M. 14891 2 1 1 10 6 1 - 1 - 1 - 1 - 1 - 1 Rectory Marylebone WH G.J. & W.M. 24809 2 4 1 2 1 Christeburch Marylebone H - W.M. 3883 10 4 - 3 3	NORTH DISTRICTS.	20000																
St. Jahr Marylebone HI - V.M. 38700 28 10 7 3 - - - -	A to Claude Manulahone HHHHH . W.M.		2	1	1	-	-		-		ī	_	-	-		-		- 1
St. Jahr Marylebone HI - V.M. 38700 28 10 7 3 - - - -	Rectory Marylebone WH G.J. & W.M.		22	4	1	2		-			-					-	1	-
Hampstead WellHHH - N.R. & W.M.	Christopurch Marylebone HH - W.M.	33700					_									_		
Regent's Park Panceas H - N.R. 39115 11 16 4 2 2 1 1 - 1 1 1 4 5 8 8 11			_		_	_	-		3		-	-	-	-		-	-	6
Gray's lan Lane HHH - N.R. 3024 21 17 6 2 - 1 - 1 1 2 2 1 6 Camden Town WH N.R. 1731 52 47 24 5 - 5 - 1 1 1 1 2 1 1 4 4 5 6 7 4 7 24 5 7 5 - 5 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Regent's Park Paneras H - W.M.		11	15	4	2				-		_			1	-	-	
Oxmden Town WH N.R. 17311	Grav's Inn Lane Hinn - 11.11.	30247	21	17	6	2		ī			1	-			1	2		1
Upper Holloway Www - N.R. 67948 53 38 11 7 - - 1 1 3 12	Camden Town WH N.R.	17311						5				-		-			1	
Inlington South—east - N.R. 61835 45	Toner Hollowey WWWH N.R.	67946				7 3	-				1	-						
Stoke Newington H N.R. 22781 15 4 2 2 1 1 1 2 2 1 2 2 2 3 4 4 2 2 2 3 5 5 1 3 5 1 4 2 2 2 2 3 4 4 4 4 4 4 4 4 4		61895		18	7	6		2	~ ;	1 -	-	-		-		-	1	
Stamford Hill	Stoke Newington H N.R.	22781								-	-		-	-		-		-
Hackney Washell South Hackney South Hackney South Hackney South Hackney South Hackney South	West Hackney H N.R.	37610	9	21	3	5	-	-	-	1 -	2	-	-	-	-			
St. George Bloomsbury - N.R. 16881 9 2 - 1	South Hackney E.L.		16	17		3		ĭ		-		-	-		5	3,5	i	-
St. Glies South WH N.R. 14864 9 8 1 2 1 1 2 St. Glies North N.R. 14864 9 8 1 2 1 1 2 St. Glies North N.R. 13837 9 4 1 1 - 1 1 1 2 St. Mary-le-Strand H N.R. 7516 1 3 1 2 1 St. Mary-le-Strand H N.R. 7516 1 3 1 2 2 3 St. Glies North Workhouse, Edmonton v 3 2 3 St. Glies North Workhouse, Edmonton v 3 2 3 St. Glies North Hill HIM N.R. 18559 - 11 3 2 2 3 St. Glies North Workhouse, Edmonton v 3 2 3 St. Glies North Workhouse, Edmonton v 3 2 3 St. Glies North Workhouse, Edmonton v 3 2 3 St. Glies North Workhouse, Edmonton v 3 2 3 St. Glies North Will HIM N.R. 18671 12 13 7 1	St George Bloomabury N.R.	16681	9	2	-	1		-	_	_	_				Į.			_
St. Martin-in-the-Fields HH N R. & C. 17808 1 3 1 1 - - - - - 1 3 1 2 - - - - - - - - - - - - - - - - -	St. Giles South WH N.K.	14864	9		1		-	ī			-	-	1	-	1		1	
St. Geothe-Martyr HHHHHHH N.R. 18671 12 13 7 1 2 1 7 8 8 1 Andrew Eastern W - N.R. 16706 7 3 3 2 1 7 8 8 1 Andrew Eastern W - N.R. 16706 7 3 3 2 2 1 7 8 8 1 Andrew Eastern W - N.R. 16706 7 3 3 2 2 1 7 8 8 1 Andrew Eastern W - N.R. 1683 5 3 2 2 1 2 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 1 2	Ca Martin-in-the-Fields HH N R. & C.	17508			1	2	-	-	-	-	-	-	-		-		-	-
St. Geothe-Martyr HHHHHHHH N.R. 18671 12 13 7 1 2 - 1 7 St. Andrew Eastern W - N.R. 10706 7 3 3 2 - 1 7 St. Andrew Eastern W - N.R. 6683 5 3 - 2 2 - 1 7 St. James Clerkonwell N.R. 17516 13 9 3 2 1 2 Amwell Clerkonwell N.R. 1981 11 5 3 2 1 2 Amwell Clerkonwell N.R. 1981 13 9 5 2 2 1 1 2 2 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3				11		2	-	-	-			=	-	-		2	3	7 3
Safron Hill H - N.R. 6688 5 3 2 2 St. James Clerkonwell N.R. 17516 8 3 3 - 2 1 Amwell Clerkonwell N.R. 1981 11 5 3 2 1 Pentonville N.R. 1981 13 9 5 2 1 Gowell-street N.R. 17506 7 5 2 2 1 Gid-street H N.R. 11541 7 9 3 1 City-road HHL N.R. 18628 19 8 2 1	St Can-the-Martyr HHHHHHH N.R.	18671	12				-		-		-	****	-	-		-		7
Manual Clerkenwell N.R. 19281 11 5 8 2	Qaffron Hill H = N.K.	6533	5	3	1 -	2 -	-	-	-	-	-	-	-		-	-	-	-
Goswel-street N.R. 17505 16 5 2 2 1	Amwell Clerkenwell - P.R.	19281	11	5	3	2	-	- 1	-	-	-	-	-	-	1	-		- 1
City-road HHL N.R. 18628 19 6 2 1 1 1 1 3 Whiteeross-street N.R. 9217 5 6 1 1 1 1 - 1 3 Finsbury Holborn Union Workhouse, Mitcham w 1 2 - 2	Goswell-street N.R.	17506	16 7	5	1 2	2 -	-	-	-	-	-	-		-		-	-	
Whiteeross-street N.R. 7463 Holborn Union Workhouse, Mitcham w. 1 2 2 2	City-road HHL N.R.	18628	19	8	2	1.	-	-	-	-	-	-			1	-	-	3
Hollors Union Workship II	Whiteoross-street N.R.		1	1	1.	-	-	-		-	-		-		~	-		-
	St. Botolph H N.R.&E.L.		4	1	1	-	-	-	-	-	-	,-	-		1 .		1	
	St. Sepulchre H N.R.	5355	1	13	1	1	-	-	-		-		-	-	-	-	-	-
St. Bride # N.R. 18666 2 1	Allhallows Barking N.R.	18666	2	1	-				-					-	-		-	-
Broad Street H N.K. 5862 1	Groad Street 2 N.A.	3002	1	1			1 -	-	1 -	-	-	-	-	-	-	-	-	

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which pupers are received; w—Workhouse Establishme reseiving immates from other Districts than that in which it stards. The Roman capitals signify the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the difference of the Water Companies which supply the Water Companies which supply the difference of the Water Companies which was a supply the Water Companies which was a supply the water Companies which was a supply the Water Companies which was a supply the water Companies which was a supply the water Companies which was a supply the water Companies which was a supply the water Companies which was a supply the water Companies which was a supply the water Companies which was a supply the water Companies which was a supply the water Companies which was a supply the water Companies which was a supply the water Companies which was a supply the water Companies which water Companies which was a supply the water Companies which was a supply the water Companies which was a supply the water Compani

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHERA, VIOLENCE, &c., registered in each Sub-district urday, 9th August, 1890.

urday, 9th August, 1890.									,	., -	8.50						o r e.i.	
-				*****			The	DEA	THS:	regist	ered i	n the	Wee	k inc	lude			
A- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Enume-			Deat	hs of				-	Deati	is from	n				1	1.	1
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years & npwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterie (or Typhoid) Fever.	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes of Leath.
EAST DISTRICTS. sredited South HL® - N.R. ston New Town - N.R. ston Old Town N.R. sgerston WH N.R. & E.L.	22843 29987 28086 46275	8 23 17 19	5 16 6 24	1 4 2 10	6. 5		1 - 1	1111	1111	1111		1	1111	4 1 8	- 1	1 - 3 -	2 4 10	1111
thnal Green North H - E.L. thnal Green South E.L. thnal Green East WHL* - E.L.	51157 34399 41405	27 12 19	20 7 28	10 1 4	8 2 9	. =	1	1	1 -	1	-	-	-	7	1 -	2 -	1	-
talfields E.L. & N.R. le End New Town W - E.L. altechapel Church H E.L. & N.R. adman's Fields E.L. dgate E.L.	32585 15478 17490 9713 6102	11 28 16 2 4	5 13 80 8	1 3 10 1	2 2 -	11111	1	11111	- 2 -	11111	and the second s	1	11111	14	2 -	3 -	7 23 -	11111
George's North - E.L. John, St. George East W - E.L.	88747 8410	27 8	13 10	8	3	Ξ	2		-	. 2	-	-	, ,	. 1	1 -	2	5	1 -
adwell H E.L. N.R. teliff E.L. mehouse E.L.	10895 16107 82041	4 15	8 7 7	3 2 3	2	Ē	1 1 1	- 1		1		1		1	1	2 -	5	
ie End Old Town West H - E.L. le End Old Town East WwwH- E.L.	37960 67653	26 37	10 26	8	2 6	-	1	-	-	ī	-	-	-	1 2	. ī	2	9	-
w L E.L. onley wowH E.L.	87074 64859 55077	35 54 28	14 20 16	6 8 6	1 3 8	=	1 1 2	.1		1				3-1	2	5	1 6 -	
SOUTH DISTRICTS. Pristchurch Southwark WH L. & S. Saviour Southwark - S. - S	18668 14999 21881 15958 21318 26672 59555 21623	3 12 9 12 7 13 27 16	1 5 16 6 5 10 15 8	191724478	1 1 1 1 2	11111111	131		11111111	1111111	1111111	11111111	11111111	1 1 1 1 2 1	11111111	11111111	3	1
Olave WH S. & L. Ather Market S. & L. Mary Magdalen W - S. James Bermondsey - S. therhithe WH S. & K.	11956 16300 15669 54682 86024	9 7 6 81 24	16 9 5 17 18	5 6 2 6 5	1 1 2 3	11111	1 1001 -	11111	11,111	1	11111		11111	3 5 1 3	8	6 1 - 1	11 9	11111
sterioo-road ist # - I. & 8. aterioo-road 2nd H - I. & 8. unbeth Church 1st H - I. & 8. unbeth Church 2nd WW - I. & 8. sunington 1st 8. & I. unington 2nd - 8. & I. ixton w I. & 8. brwood W, I.	15195 16351 19876 39859 45232 35332 62887 19017	11 20 7 36 30 16 27 6	5 9 24 19 15 10 16 6	1 4 11 6 6 2 4 3	1 1 3 6 2 5 4 2	11111111	3	1	9 1			1		1 1 2 2 2 2 2 2	1	2 1 2	16 8 - 1	1
st Battersea WwH S. cat Battersea WwH S. spham H S. andsworth WHL (S. tract S. reatham L.	54675 52587 86380 28004 13235 25553	46 54 8 17 8 21	21 40 7 20 7	9 20 - 6 4 2	2 4 5 2 - 2	111111	2 6 - 2 1 -	1	1	1 2	111111	111111	11111	3 5 1	1 1 2 1 1	1 2 2 2 1	3	111111
ulwich L. & S. amberwell	5590 59104 71089 50810	30 41 22	1 41 20 14	9 8 8	13 4 1	1.1.1	1	1	1	2	-	-	-	2	1111	1 1 1 1	22 3	1
Paul Deptford w 'K. Nicholas Deptford K. Conwich West H K. Conwich East WHH K.	76752 7901 21972 24608	55 4 10 14	33 2 4 16	15 1 - 6	4 - 1 6	11111	2 1.1.1		1	1	1111	1		4	- i	1	1 - 6	1
(tham H K. 100 H K. Wisham WH K. Idenham H L.	5048 21559 19865 26076	2 4 36 12	1 10 6	- 4 2	5 2	1111	et 1 in					1111	1 1 1 1	1 1 1 1 1	1	1	2	- 1 - 1
hariton HII K, colwich Dockyard K, colwich Arsenal HH - K, umstead, West H K, umstead, East W K.	10980 17617 19048 14009 19241	7 8 15 5 84	1 4 5 3 8	1 1	- - 2 1	11111	11111	1			11111	11111	1111	11111	1 1 00 1 1	- 181 -	2	
otpital Ships and Camp, Dartford - Inchmore Hill Hospital - Inchmore Hill Hospital - Inchmore Hill Hospital - Inchmore Hill Hospital - Inchmore Hill Hospital - Inchmore Hill Asylum - Inchmore Hill Asylum - Inchmore Hill Asylum - Inchmore Hatch Asylum - Inchmore Hatch Asylum - Inchmore Hatch Asylum - Inchmore Hatch Asylum - Inchmore Hill Hill Hill Hill Hill Hill Hill Hil	=		2	-	1 1 1	111	111	2		-	-	-				-	2	-1
arenth Asylum	111		5 6 5		2 2	1111	111		-		-	-	-	1 1 1	-	-	5 6 5	-
ne Hill Asylum			8 -	-	1	-	1 1 1		-	-	-	-	-	-	-	-	3 -	=
ily of London Asylum	pet	-	-	-	-	Ė	-	-	-	-	-	***	-		-	-	-	_

TABLE 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums Area; Population; Births and Deaths registered during the Week ending Saturday, 9th August, 189

Panie		Area						7	The Di	EATHS	registe	ered in	the V	Veek i	nelude		
Regis- tration		in Acres,	Enume-			Deat	hs of			,	Deaths	from					
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Searlet Fovor.	Diphtheria.	Whooping-cough,	Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public
LON	DON-OUTER RING	370,924	950,957	739	397	144	77	-	12	2	5	15	5	58	14	22	_
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	9	2	1	1	-	-	-	7-	-	-	-	- 1		-
37:1	Godstone (part of) * -	2754	1235	2	-	E		-	-	-	-	-	-	-		П	L
38:1	Croydon Ww L - Mitcham w	20851 11697	101241 17982	69 11	42 8	12	. 9		8	-	1 -	2	-	3 2	-	2	4
89:1	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	8	8 9	4	3 2	- 1	1 -	-	-	-	-	1		-	3
8	Esher (part of) * - Hampton H	6601 4573	9221 18539	18	6	2	1	-	-	-	٠ <u>-</u>	-	-	i	-	• -	4
40:1	Richmond WH	2272 2941	21302 12331	6 8	8 7	1	2	-	1	-	-	-	-	1	1	1	
4];1	Bromley (pt. of) * HH Chishrst(pt. of) * WHH	15669 14307	N1142 15844	15 7	8	2	-	-	-	1			-	-	-	1	-
H2:1	Bexley H Dartford (Ww, pts. of)*	18487	24134	18	7 2	2 -	1	-	-	-	-	-	-	8	-	-	2
124:1	Sunbury w Staines W	11055 13277	11685 12089	8	3 7	2	1	-	1	-	-	1	-	1	-	-	
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 8225	8	6	2 -	2 -	-	-	-	-	-		-	-	-	1
120:1	Hayes wHL Isleworth WHH -	14587 7008	11523 22727	1 14	8	2.	1	1	1	-	-	1	-	-	1	1	
2 3	Twickenham H Brentford HL -	2477 4345	12479 27649	11 19	7 12	8	3	-	1	-	1 -	1	-	1	-	1 -	1
. 4	Chiswick Acton wH	1840 6088	15975 22876	7 13	6 14	4	 5	-	-	-	-	-	-	3 2	1	2	
127:1	Harrow H	13809	12796 3749	5 8	8 2	2	1	-		-	-	-	1-	-	-	-	
3 4	Edgware H Willesden Hendon W	4383 8382	27453 10484	87	18	7 2	6	-	-	-	-	1 -	-	4 -	-	-	
137 : 1 2	Bushey Watford (W, pt. of)* -	9381	6621	3 -	1 -	-	1 -	-	-	-	-	-	-	-	-	-	
128 ; 1	South Mimms	155 99	6391	8	1 2	-	1	-	-	-	-	-	-	-	1	1	
3	Barnet Finchley HL	54 83 46 38	10092	13	6	2	1	-	-	-	-		-	1	1	1	
135 2 %	Hatfield (part of) * -	3039	37078	-	10	2	2			1.	-	1	-		-	1	
129:1	Hornsey H^- Tottenham H	4642	46456	62 62	36	21	2	-	1 -	-	-	8	2	4	2	2	
3 4	Edmonton Ww -	7488 12653	23468 19104	21	15	2	2 2	-	1		-	8	-	3	-	-	
5 8	Waltham Abbey	11017 8480	#868 7785	4 2	2 4	1	1 2	-	-	-	-	-	-	-	-	1-	
186:1	Stratford	882	38606	25	12	4	1	-	~	-	-	-	-	-	1	1	
2 8		4055 3296	90347 10706	98	46	20 5	2 -	-	1 -	1 -	1		2 -	9	-	. 5	
4 5		4372 6520	22430 28869	35 35	18	9 6	5	-	-	-	2	2	-	1 6	-	-	
187:1	Chigwell (part of) * H		9669	10	3	1	2	-	-	-	-	-	-	1	-	-	-
189:1	Romford (part of) * W	6730	3411	5	4	1	1	-	-	-			1	1	1 -	-	
2 3	1	8493 4127	7645 9203	2 11	5 9	8		-	-	1	_	-	-	2 2	1 -	1	

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as fol\$0:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godsto
district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromlay sub-district, except the parish of Cudha
Knockholt (pop. 1818); 41:2, Chischurst sub-district, except the parish of Chelsied (pop. 947); 135:1, the parish of Northaw in H
sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford subdalso deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

BLE 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 9th August, 1890.

Area in Acres,	Estimated	of Mon	RTALITY	DEATHS	Deat		ATH	regi					inelud	le	io
including tidal water and foreshore.	Population, middle of 1890,	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	1	1 %	hooping-	ever.	larrhos.	Tiolance.	Deaths in Public
1.	2.	3.	4.	5.	6.	7.	8	1		-				-	1
448,334	5,758,500	18.0	4.1	1991	693	360			_	27	52	17	234	64	399
77,410 870,924	4,421,661 1,336,839	18.8	4·2 3·8	1594 397	549 144	283 77	-	95 12	17	22	37	12	176 58	50	373
	Acres, including tidal water and foreshore. 1. 448,334	Name	Carest C	including tidal water and foreshore. Estimated Population, middle of 1890. 1. 2. 3. 4. 448,334 5,758,500 18 0 4 1 77,410 4,421,661 18 8 4 2	Causes C	Causes C	Including tidal water and foreshore.	In Acres, Including tidal water and foreshore. Estimated Population, middle of 1890. From All Causes. From All in Cols. S-14. Causes. Infants Persons aged 60 Years and of Age. Infants Persons aged 60	Death sof Deat	Including tidal water and foreshore. Estimated population, middle of 1890. From All Causes. From All Causes. Include the content of	Indicate	Deaths of Deaths from Death De	Retimated forely for the forest for the forest form Retimated forest	India	Deaths of Deaths from De

E.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 1523 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

	POPULATION	DATE			ANNUAL	Di	EATHS	FROM	PRIN DISEAS	ES.	ZYMC	_
DITIES.	(enumerated or estimated).	OF RETURN	1	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
UTTA	433,219	June 1	4 -			1 -						
BAY	773,196	July 1	5 234	345	19.3	4	_	9	. 9	P	139	22+
BAS	398,777	June 2	0 339	253	33.0	100	. 8	2	9	p	82	32
g	2,260,945	August	2 1121	848	19.5				1			
Faubourgs.)	477,288		2 236	184	20.5	-	28	7	17*	10	9	108
PERDAM -	406,302	,										00
CERDAM -	203,486		2 292	120	15.4	-	3		3	1	1	1
HAGUE .	156,497		137	58	14.8	-	-	-	1	00		1
		29	76	59	19.6	-	8	-	-		-	1
NHAGEN -	312,387		2 -	126	21.0	-	12	. 8	6	4	-	13
KHOLM -	236,350	July 2	11	72	15.8	-	-	9	1	1 2	- 1	11
BTIANIA -	143,300	August	53	52	18.8	-	-	-	. 4	***	ma "	14
ETERSBURG	842,000	July 2	3 -	458	28*4	1	23	12	14	1	15	103
IN	1,526,887	, 1	982	689	23.2	-	16	3	23	12	4	151
BURG(State)	575,276	,, 2	422	226	20.2	-	9	-	10*	6	1	31
BDEN	269,250	55 2	185	96	18.2	-	4		-			21
ILAU	324,400	August	256	178	28.7	-	-	7	4*	5	-	54
ICH	298,000		-	151	26.3	-	1	1	4*	2	3	57
MA	822,176	**	475	323	20.4	2	4	1	7	-	2	43
DE	514,425		2 -	145	24.0	2	3	3	3	8	2	6
A-PESTH -	463,017	July 2		232	26.6	-	2	4	15	-	-	51
STE	160,092	August	103	88	28.6	-	- 1	-	3*	-	2	12
2	418,217	June 2	204	185	. 24.4	-	5	2	5	1	51	30
(10 days)	314.827	39 3	256	200	23.1	1	2		1	- 2	11	37
OR	156,515	July 1	88	87	29.0	6	1	-	-		-	10
0	374,838	,, 1	374	288	40.0	-	-	-	3*	2	21	108
CANDRIA .	231,396	, 1	11	164	36.9	-	-	_	1	-	20	50
YORK .	1,617,997	, 19	-	941	30°1	-	11	7	13	15	5	274
DETAR -	859,612	, 19	15	523	31.3	-	2	2	17	11	1	146
ADBLPHIA -	1,064,277	, 19		437	21.4	-		2	6	7	7	89
IMORE .	500,343	,, 19	11	248	25.8	-	1	1	4	3	9	42
ORLEANS.	254,000	,, 19	31		-	-	-	-	-	-	-	-

Including deaths from croup.
Including 1 death from cholera.
Including 2 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during he Week ending Saturday, 9TH AUGUST, 1890.

-	TOTAL STREET								Under	he Sur	perinte	ndeno	s of the	Astro	' Inder the Superintendence of the Astronomer Royal.	Royal.					١	١	١	١	ĺ	
	-	Bano.		14	TA GEORGIA	Аттрь	1				1	-	TEN	TEMPERATURE	TURE.	-		Wind as deduced from Anemometers.	uced fro	m Anem	ometers.		-	Rain		
		METER.			PMEE				Different the Air	Difference between he Air Temperatur		1				1		Osler's.					3	in a		
1890.	Phases	Mean		Of	Of the Air.	si.		Of the Dew Point.	and Dew Point Temperature.	ind Dew Point Temperature.		f Hu-	Of Radiation.		of the Water of the Thames at Deptford.	mes rd.	General Direction	ection.	Pressu	Pressure on the Square Foot.	0	Robinson's.			Ozone.	
MORTE AND DAY.	of the Moon.	corrected and reduced to \$20 Fahren.	High-	Low- I	Daily Range.	Mean daily value.	-	Mean daily value.	Mean daily value.	Great.	Least.	ration equals 100).	High- est in Sun's Rays.	Lowest Bon the Grass.	High. Lo	Low- est.	A.M.	P.M.	Great.	Least. h	Mean Mc of 24 of hourly o	Horizontal Movement to of the Air A on each Day.	Depar- 5 ture from Average of 0 16 Years.	5 inches above the Ground.		
AUGUST.		in.		_	_	-	o o	0 1	0 0	0 2	0.0	- 09	0.911	0 45.0	0 64.6	64.4 NN	NNW. & N.	WNW. &.	lbs. 0.0	lbs. 1	lbs. 1	Miles. 1	Miles.	in. 0.00	0.0	
ож.	· ·	29.988	150			1.29) TO:	707	2 L	7.0		-					WSW. & S.	0.0	0.0	0.0	130	-123	00.0	0.0	
. ож.			1.92	2.450	£.17	0.40	+ + +	9.99	7 ,	8.66	0.0							SW.& WSW.	0.0	0.0	0.0	99	-190	00.0	0.0	
UBB.	5 In Equator.	00.00%	0 70			64.5		57.0	7.5	20.1	9.0			48.4	66.2	W 1.59	WSW. &	WSW. NE.	0.0	0.0	0.0	322	-326	00.0	0.0	
			6.64			1.19		55.5		14.8	0.0		9.411	6.27	9 9.99	65.7 E.	ži.	E. & ENE.	0.2	0.0	0.0	147	-112	00.0	0.3	
E U Mos .			66.4		18.3	2.12	1 2.0	0.19	4.9	13.9	0.4	78	95.4	43.8	62.9	65.5 NE.	NE. & ENE.	E. S.NE.	1.4	0.0	1.0	222	1	00.0	0.0	
AT	: :	29.814	8 88		12.7	7.09	5.3	9.49	63 00	2.6	0.0	06	0.48	6.92	9.29	65.3 NE.	NE.'s ENE, N	NE. & ENE.	0.2	0.0	0.0	203	- 50 GK	00.0	0.0	
[BANS	:	29.854	78.8	53.5	20.6	9.79	- 0.1	25.2	7.4	16.3	0.5	77	9.111	48.0	65.5	65.2	SW. &	NE.	:	:	:	Sum 954	Sum -839	Sum 00.0	0.3	
To. of Col.	-	4) NG	9	1	00	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
DATE.	Er (For	ELECTRICITY. (For explanation of symbols, see Note.)		Registered Sun above Sunshine, Horizon, in hours.	ed Sun Hoi in h	sbove rizon, ours.		GE	GENERAL	L RE	REMARKS.	σά		Corre	e heigh	as been a	The height of the cistern of rrection has been applied to the conversions are usually tak	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the retainings to reduce to sea level. Observations are usually taken at 91, 4.M.; noon; 3h. P.M.; and 9h. P.M., The means of the	neter is s to red M.; noo	159 fe uce to n; 3h.	sea leve P.M.; a	the mean	l level of	the sea	the	
KDAX .	% P.	w. P. throughout		8.9			Fine. I	Partially	lly cloudy	dy and	l hazy	till till	evening;		reading rerted in the photo	s of the k nto mean graphic wenty y	arometer, n daily var records m ears endin	ever-readings of the barometer, the dry bulb thermometer, and the weet bulb thermometer, are ever-readings of the barometer, the dry whose by the application of corrections deduced from a discussion of converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1886 for the thermometers. With the overected mean reading during the twenty years ending 1880 for the thermometers. With the overected mean reading	application the the the two the there	bion of nty ye momet	correcti ars endi ers. Wi	he wet by ons deducing 1873 for th the con	alb therr sed from r the ba rrected n	a discus rometer, rean rea	ssion and ding	
. AVOA	4 w.P.	w. P. generally	•	2.2	Ħ	15.2	Fine; generally cl	genera s afterw	generally cloudy afterwards.	dy and	hazy	till afte	afternoon;		ninim minim nmn 8).	um ther The n	mometer i rmometer nean daily iv values	for the dry blut thermometer is common to the mean daily value of temperature of the sir and minimum thermometers, forming the mean daily value of humding are deduced (column 8). The mean daily dew point temperature and degree of humding are deduced from the mean daily values of the dry and wer bulb thermometers by Ghaisher's Hygrom the	the me	an da ature	ily valuand deg	the mean daily value of temperature of temperature and degree of humidity are and wet bulb thermometers by Glaisher's	perature imidity oy Glais	are ded ber's Hy	the air deduced Hygro-	
MEDAY .	δ v. P.	· ·	•	9.6	-	15.1	A very	very fine and very samall.	nd warm	day.	The an	amount of	of cloud	3 2 2	metrical Tables. The average trecords made at	bles. age temp le at Gre	erature of	etrical Tables. The average temperature of the air is that derived from a discussion of the photographic The average temperature of the 20 years ending 188, and that of horizontal movement corts made at Greenwish during the 20 years ending 188, and that a was anding 185.	that de	rived nding	from a class, and	liscussion that of	of the horizont	photogra al move	aphic ment	
DKRSDAY	6 v. P.	v. P. in morning; w. N. in atternoon; v. P. at night.	ning; 000n;	.44 10		15.1	A fine day. In afternoon a prevailed; cloudless at other times.	day.	In a lless at	fternoon other ti	mes.	few light Very ha	light clouds		ne air fr lower,"	om a dis	the air from a discussion of In reading the columns 9 at "Lower," than the average. The thermometers in the wa	of the air from a discussion of the amendments reconstruction of the straines of account of the following the columns 9 and 25 if will be borne in mind that + indicates "higher," and - "lower," than the average. The thermometers in the water of the Thames are suspended at a depth of two feet below	ll be bo	rne in	mind th	at a dept	icates "	higher," o feet b	and elow	
URSDAY .	7 W. P. B	w. P. siterwards.	ing;	3.7	7	12.0	Cloudless in early morning; cloudy till afternoon, with thin fog between 5b. and 6b. A.M.; fine during afternoon and evening, and small amounts of cloud	less in fog b	erly metween	braing; sh. and	cloudy 6h. A.1	till af	ternoon during of cloud		surface ir readi poration	the surface, at the end of their readings are regional Corporation of London.	the surface, at the end of one their readings are registered Corporation of London.	the surface, at the end of one of the jetnes of the royengu Cattle marker at Jepitora, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.	lerk of	the A	farket,	under in	struction Telector	as from	the	
DAX .	8 v.P.	v. P. generally .	•	6.0		15.0	prevailed g Fine in fine rain fe	id generally. in morning a fell in atte	prevalled generally. Fine in morning; overcast fine rain fell in atternoon and	vercast on and	afterwards.	rards.	A little		The recosymbols en	ard of E	are:-F.	The record of Bleckrichy is derived from Tromison is sen-regiseering Lawrenmers. Symbols employed are:—F. positive; N. negative; w. weak; m. moderate; s. strong; v. variable.	negat	ive; W	. weak	m, mod	erate; s	strong	and;	
FUNDAY .	9 W.P.	w. P. throughout		8.0		14.9	Overcast rain fell in	ast gen in fore	generally till evening, and a little forenoon; nearly cloudless at night.	ill ever	ning, an	nd a little	ttle fine bt.	the children	aggreg	bers in cate dural	tion of bri	The numbers in column 29, derived from the Campoun-Stokes following allowing the aggreegate duration of bright smishine on each day. The results of all the meteorological observations are to be understood as applying to the	e on ea	ch day,	re to be	or nuderst	od as at	plying t	to the	_
			,	Sum		Sum								CIV	il day, c	r from in	baromete	Civil day, or irom minimight to minimight. The reading of the barometer increased from 29.90 in at the beginning of the week to 30.06 in. The reading of the barometer increased from 29.90 in at the deficience of the solution in the control of t	from 29	.90 in.	at the be	ginning of	of the we	sk to 30°	06 in.	-

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 33. 1890. Vol. LI.

WEEK ENDING SATURDAY, AUGUST 16.

Price 11d.

General Register Office, Somerset House, 18th August, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.0 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks ending		Weeks ending
Towns.	July Aug. Aug. Aug. 26. 2. 9. 116.	Towns.	July Aug. Aug. Aug. 26. 2. 9. 16.
Birkenhead	18.4 15.9 23.8 21.8	Liverpool	21.0 21.0 21.6 23.0
Birmingham	16.9 19.4 20.1 21.0	London	16.7 19.8 18.8 20.6
Blackburn -	13.1 18.6 14.3 19.8	Manchester -	24.5 26.1 25.8 27.6
Bolton -	20.3 20.7 17.6 18.9		24.6 25.3 23.4 33.9
Bradford -	17.8 17.8 17.6 14.3		18.0 18.6 19.7 20.8
Brighton -	15.6 12.2 19.4 21.5	Nottingham -	16.2 13.6 14.5 11.9
Bristol -	16.6 14.4 15.0 14.1	Oldham	13.1 16.3 15.3 12.8
Cardiff -	18.7 9.8 16.5 26.3	Plymouth	15.9 22.5 25.8 17.2
Derby -	11.9 15.5 16.0 14.5	Portsmouth -	11.7 19.3 16.0 20.8
Halifax -	14.6 16.5 15.9 15.9	Preston	18.3 21.3 28.3 43.6
Huddersfield	17.7 15.5 14.4 19.4	Salford	23 · 2 24 · 3 17 · 8 18 · 7
Hull	14.4 16.3 14.4 19.5	Sheffield	19.3 22.4 24.4 25.2
Leeds -	17.3 20.2 19.5 21.6	Sunderland -	19.9 19.9 17.6 22.5
Leicester -	16.6 18.2 19.3 17.9	Wolverhampton -	18.1 19.4 20.6 23.8

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.0 in Birkenhead and 1.2 in Manchester; from scarlet fever, 1.2 in Manchester, and 1.3 in Liverpool; from whooping-cough, 1.1 in Huddersfield, 1.3 in Brighton, and 2.7 in Norwich; from fever, 1.3 in Wolverhampton; from diarrhæa, 4.5 in Cardiff, 4.7 in Leicester, 5.0 in Sunderland, 5.3 in Sheffield, 5.5 in Norwich, and 19.3 in Preston. The 28 deaths from diphtheria included 15 in London, 3 in Liverpool, 3 in Salford, and 2 in Leeds. No death from small-pox was recorded in any of the twenty-eight towns.

LONDON.

In London 2527 births and 1751 deaths were registered. Allowing for increase of population, the births were 286 below, and the deaths 128 above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19.8 and 18.8 in the previous two weeks, rose last week to 20.6. During the first seven weeks of the current quarter the death-rate per 1000 averaged 18.4, being 2.0 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

A 63356.-7. 635.-8/90. Wt.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

The 1751 deaths included 80 from measles, 27 from scarlet fever, 15 from diphtheria, 39 from whooping-cough, 16 from enteric fever, one from an ill-defined form of continued fever, 262 from diarrhea and dysentery, 10 from cholera and choleraic diarrhea, and not one from small-pox or typhus; thus, 450 deaths were referred to these diseases, being 80 above the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 7; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and only one in the Highgate Small-pox Hospital. The deaths from measles, which had been 82 and 95 in the previous two weeks, declined last week to 80, but were 39 above the corrected average. The deaths from scarlet fever, which had varied in the preceding four weeks between 12 and 19, increased last week to 27, but were 2 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1457 scarlet-fever patients at the end of last week, against 1505 and 1493 on the preceding two Saturdays; 125 cases were admitted during the week, against 168 and 118 in the preceding two weeks. The deaths from diphtheria, which had been 36 and 22 in the previous two weeks, further declined last week to 15, and were 3 below the corrected average. The deaths from whooping-cough, which had declined from 62 to 37 in the previous three weeks, were 39 last week, and exceeded the corrected average by 5. The deaths from diarrhæa, which had been 177 and 176 in the previous two weeks, rose last week to 262, exceeding the corrected average by 46; 246 were of children under 5 years of age, and 12 of persons over 60. The deaths of seven infants and three adults were attributed to cholera infantum, English cholera, sporadic cholera, or choleraic diarrhæa.

The deaths attributed to enteric fever, which had been 11 in each of the previous two weeks, were last week 16, and slightly in excess of the corrected average. The Metropolitan Asylum Hospitals contained 73 cases of enteric fever, and 3 of typhus, on Saturday last; 12 cases of enteric fever were admitted during the week, against

25 and 11 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had been 215 and 197 in the previous two weeks, were 208 last week, and exceeded the corrected

average by 23.

Different forms of violence caused 75 deaths, concerning all but 2 of which inquests were held. Of these 75 deaths, 9 were cases of suicide, and one of manslaughter, while the remaining 65 were attributed to accident or negligence. One of these was caused by a vehicle in the street, 3 by burns or scalds, 20 by drowning, and 18 (of infants under one year of age) by suffocation.

GREATER LONDON.

In Greater London 3368 births and 2198 deaths were registered, corresponding to annual rates of 30.5 and 19.9 per 1000 of the estimated population. In the Outer Ring the deaths included 87 from diarrhea, 12 from whooping-cough, and 11 from measles. Of the deaths from diarrhea, 38 occurred in the district of West Ham, 15 in the district of Brentford, and 11 in the sub-district of Tottenham. The deaths from whooping-cough and from measles each included 5 in the district of Edmonton.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29·58 ins.; the highest reading was 29·78 ins. at the beginning of the week, and the lowest was 29·43 ins. on Friday morning. The mean temperature of the air was 61°·1, and was 1°·3 below the average in the corresponding weeks of the 20 years ending 1868. The mean corresponded with the average on Sunday, and showed an excess on Monday, but was below the average on the other days of the week. The general direction of the wind was S.W., and the horizontal movement of the air averaged 13° miles per hour, which was 3°1 miles above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0·78 in. The duration of registered bright sunshine in the week was 32·6 hours, against 32·4 hours at Glynde Place, Lewes.

* See note on first page of this Return.

1					-	_	_		_		_	_	-		_	_	_	_	_		_	_	-	-	_	_	_		_	_	_	-	_
	CITIES	BC	Cols.	- 28 TOWES.	LONDON.	BRIGHTON.	PORTEMOUTH.	NORWICH.	BRISTOL.	WOLVERHAMPTON,	BIBMINGHAM.	LRICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD,	LIVERPOOL.	Bolton.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	FERSTON.	HALIFAX,	BRADRORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGE.	GLASGOW.	DUBLIK.
RAINFALL.		In Centil- metres.	24.	3.73	1.98	1.09	26.2	1 00	26.2	2.44	,	1	2.34	1	1	6.65	1	,	1	ı	1		1 1	9.71	1 1	,	5.43	ı	10.11	4	7.49	3.40	1.37
RAID		In Inches.	23.	1.47	0.78	0.43	1.12	1 11	1.15	96.0	8	. 1	0.02	1	1	2.62	1	, 4	1	1		1	1 1	1.46	2 1	1	1.35		4.24	1	2.65	1.34	0.24
R AIR.	Mean.	.entigrade.	22.	14.83	16.17	12.28	16.89	1 0	12.58	19.81	1	1	4.44	1	1	3.72	3	,	1	1	,	9	,	14.13	1 1	1	13.89	1	13.22	1	13.94	14.75	13.28
E OF TH	N	·liednerda'	21.	28.2	1.19	-	62.4	- 10	-		,	,	58.0 1	1		26.7	,	i	,			1	1 1	×7.4	_	1	57.0 1	1	55.8 1	1	57-1 -1		
TREFERATURE OF THE AIR.	.3	Fahrenheit.	20.	43.8	2.19	21.2	0.79	1004	52.0	8.8	,	1	8.6	1	1	8.67	1	. 1	1	8	1	1	1 1	0.0%		1	0.8	1	0.8	1	47.5	48.0	42.2
THEFT	.31	Fahr Higher	19.	2.92	2.94		0.12	78.0				,	69.4	-	•	64.4	1	1	-	1		E .	1 1	66.4		1	73.0 . 4	1	68.0	4"	64.9		
Rate	he Deaths	From Diseases in Cols. 6-12.	18.	5.5			0 0	_		9.9	2.5	2.4		3.1	0.9		n. 0	6.3	0.9	1.4	4.00	0 00	1.9	8.6		2.9	4 6.4	2.0	2.4 0	6.5	6.8		
Angual Rate per 1006,	to the Week's Deaths	From All	17.	0.12	9.03	21.2	8.02	0.41	14.1	23.8	0.17	6.41	6.11	14.5	8.13	53.0	6.81	9.16	18.2			7.01		14.3	9.1.6	25.5	19.2	2.75	33.0	26.3	18.8	F. 17	1.03
	dia.	Onsertifies Of Designation	16.	74		67	1 1	1	00	1	00	Н	-	,	1	19 2	1	9	ু জ			80 -	* -	_	1 :		-	-	9	1		50	
		nisthsit Pesthsite Toitutiten	15.	622	408	n 1	- 1	07	12	4	27	1	00	1	1-	82	e2 _	40	12	- - ji	10	n	1 4	3	9 =	10	70	1	20	10		133	
	.80	uaU daenpal	14.	212	128	1 3	٥	1 1	00	*	70	ŀ	63	91	21	7	Н	12	4	-	4	ಎ	1 -	1 0	o x	, L	1 4	13	11	6.1	0		03
olude		Violense.	13.	124	75	1 :	1 18	1	61	61	03	1	1	1	1	9	H	1-	ಣ	1	7	31	1 -	4 0	23 -		63	10	9	63	65	10	3.1
The Draves registered in the Week include		Diarrhose.	12.	636	262	ه ۱	. F	7 10	0 0	10	37	14	14	ಣ	00	32	6	26	17	Н	1-	e i	27 -	4 0	0 0	34	10	13	11	10	9	512	00
the W		Kerer.	=	34	17	1 9	F1	1 -	· -	27	1	1	-	1	7	ಣ	1	1	63	1	1	ı	-	1	\$,	*	1	-		1	67	61
ered in	Deaths from	Whooping-	10.	74	39	o ،	- 1	۰-	< 1	1	က	-	1		Н	-	-	6.1	67	23	-	1 0	27 -	4	1 0	4 0.	97	1	~	1	1	17.	23
regist	Death	Diphtheria.	9.	28	15	ı	1		1 1	1	-	í	1	-	1	ೲ	1	1	00	1	1	1	1	1	1 9	23 1	-	1	-	-1	1	9	1
BATH		Scarlet.	00	20	27		N :	1 1	~	1	63	-	1	1	1	15	67	6	_	1	-	1 7	- I		1	1 01	-	4 1	1	1	6	1	F
The D		Messles.	7.	118	80	1	1	1 -	4 1	-	67	1	-	_	03	00	-	6	00	-		-	1 1		4 0	N 65	1	1	61	6.2	-	67	
		smell-pox.	6.	1	1	1	1		1	1	1		1	\$	1	1	1	1	3	1	1	1	1	1	1		1		1	1			1
	Deaths of	Persons aged 60 Tears and upwards.	5.	625	300	Ħ	13	10 M	-1 c	· 00	100	. 4	GT.	00	4	34	*	31	10	1	6	11	9 0	n 0	200	4.2 7.0	14	12	18	6	93	2 22	27
	Dea	Infants under l Year of Sec.	4	1506	635	21	67	50	0 88	14	94	30	50	00	20	87	17	65	31	0.	15	49	11	- 51	22	73	37	27	48	29	06	1 10	32
during	anding	EATES.	*	3905	1751	51	57	တ္တ ဗ	63 63	88	186	523	56	60	44	271	42	201	87	36	47	800	200 20	67	99	Ter	80	20	106	20	86	218	136
Registered during	the Week ending 18th August, 1890.	BIRTHS, DEATES.	63	5824	2527	20	16	67	136	65	295	105	140	44	57	368	50	263	137	99	7.8	98	39	F 20	021	622	193	110	118	35	181	378	196
	POPULATION astimated 1	to the middle of the Year 1890.*	1.	9,715,559	4.421.661	123,659	142,952	95,352	78,780	83,406	461 56%	154 944	244.909	100 871	105.049	613,463	115,846	279.437	242,509	146,716	123,553	105.163	94,253	Ecotyo	240,515	339.837	213.833	186,506	162.987	117,012	971 185	530,:08	253,082
-			Cols.			•	•	٠		KON	•	•	•	•	٠	•	•	•	•	•	•	•			•		•	•	•	1		•	•
	CITIES	AND BORUUGHS.	5	28 TOWNS	LOWDOW	BRIGHTON .	PORTSMOUTH	NORWICH .	PLYMOUTH .	WOLVERHAMPTON	Denninghan	Taronoman I	NOTTINGHAM	Drape		LIVERPOOL .	BOLTON -	MANCHESTER	SALFORD .	OLDHAM .	BLACKBURN .	PRESTON .	HULDERSFIELD	HALITAN	FRADFORD .	SHEFFIELD .	HULL .	SUNDERLAND	NEWCASTLE .	CARDINE	MININETEGH -		DUBLIN .

TABLE 1 .- BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 6th August 1890.

TABLE 2. LONDON .- Births and Deaths Registered in the THIRTY-THIRD Week of each of the Eleven Years, 1880-90.

TOTAL Births	1880 2512 1275	1881 2533 1244	1882 2670 1388	1883 2652 1393	1884 2579 1335	1885 2535 1285	1886 2523 1272	1887 2465 126S	1888 2604 1338	1889 2715 1892	Corrected Weekly Average in 10 Years 1880-89.* 2812.5	1890 2527 1239
Females .	1237	1288	1283	1254	1244	1250	1256	1197	1271	1323	1374.2	1288
Total Deaths Males Females .	1492 759 733	1474 765 709	1528 796 732	1437 756 6×1	1634 810 824	1473 725 748	712 703	1713 920 793	1330 721 609	1382 711 671	1622·9 836·9 786·0	1751 954 797

^{*} The numbers in this column are the average weekly numbers in the thirty-third weeks of the ten years 1880-89, raised by 9'046 per cent, for increase of population,

LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LONDONB	LA LAND	DEA.	1110, 11	ilu bi	LEIBU	LOLO	31 111	one i	uast .	LHIRI	SEN V	VEERS	
	May 24.	May J	June J	June .	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug.	Aug.	Aug.
TOTAL Births	2443	2091	2399	2477	2516	2359	2480	2472	2346	2512	2557	2176	2527
.Total Deaths	1451	1411	1393	1375	1387	1346	1481	1471	15 32	1418	1633	1594	1751
Ages at 0-20 years -20-40 -40-60 -60-80 -80 years & upwards	739 166 235 239 72	713 186 222 244 46	667 186 250 235 55	658 172 229 247 69	672 177 289 248 51	669 155 254 220 48	793 165 239 231 47	800 174 214 231 52	823 157 249 250 43	793 132 221 219 47	938 186 232 271 50	915 171 225 230 53	1019 169 263 246 54
" \[\begin{pmatrix} \text{Under 1 year} \\ 1-5 \\ 5-20 \end{pmatrix} \q	335 307 97	349 250 114	285 280 102	297 267 94	318 262 92	339 256 74	423 281 89	428 281 91	445 277 101	433 282 73	554 286 98	549 294 72	635 294 90
Deaths from Small-pox " Measles " Scarlet fever " Diphtheria " Whooping-cough " Typhus	1 94 15 24 91	83 14 25 78	91 11 20 75	100 11 24 59	99 15 19 66	101 7 24 52 2	100 13 21 57	99 20 22 66	104 12 19 56	94 13 20 62	82 19 36 45	95 17 22 87	80 27 15 39
", Enteric fever - ", SimpleContafeur ", Diarrhea and ", Dysentery - ", Cholera -	10	10	7 1 8	11 1 15	6 1 24 2	9 - 51 2	85 4	107	1111	107	11- 1 177 7	11 1 176 4	16 1 262 10
", all the above-) mentioned Diseases	242	214	215	221	232	248	283	327	310	299	378	363	450
" " Dis. of Respira- tory System	294	259	229	240	215	206	244	225	216	185	215	197	208
, Phthisis Dis, of Circula- tory System	117	116	138	138	131	136	105	132	150	110	117	126	129 113
Violent Deaths Inquest Cases Deaths in Public Institutions	66 119 324	64 123 328	50 109 331	36 87 327	54 86 314	99	55 97 311	40 100 321	49 113 347	56 111 333	73 134 405	50 103 373	75 1:8 403
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	58·3 71 0 45 6	65.9	67.0		70.9	71.8	66.6	65.2	72.1	73.9	74.4	73.8	
Humidity of the Air	65	65	76	81	76	82	84	83	81	75	77	0.00	82
Registered Sunshine (in hours								1			1	1	

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentle men have kindly placed their meteorological observations at the disposal of the Registrar Gor eral, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., L.L.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-humpton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottinglam: J. Frarhup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Mot.Soc., bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderlaud; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Thirty-Third Week of the Year 1890.

		1	_					, v	v een	of the Year 1890.									
	for the	-	Satur	day,	Wee 16th	Aug	ust 1	890.			for the		Satur	n the	16th	Aug	ust 1	1890.	
	or the l		De		he A		ns or				the 10		De	eaths	of P	erso ges	ns of		
CAUSES OF DEATH.	8 of 80-8			nder 20.	٠.	r 40.	r du.	r 80.	апа	CAUSES OF DEATH.	Averages ks of the 1880-89.*		Ţ	Inde		r 40.	.00	. 80.	and
	Veek	AGES.				under	under	under			Veek Veek	AGES.		20.	-	under	under	under	
	Corrected Ave 83rd Weeks o	ALL A	0-1.	1-0.	5-20.	20 and	40 and	40 and	so Years upwards		Corrected 33rd Wee	ALL A	0-I.	1-6.	6-20.	20 and	40 and 1	and	SU Years
ALL CAUSES	1622.9	1751	635	294	90	169	263	246	54	Diseases of Organs of Special Sense † }	2.0	1		1	-		_	-	-
Small- Vaccinated; -	2.0	-	-	٠	-	-	-	-				-		-	-		-		
pox Unvaccinated No Statement	2.2				-	-	_	_		Diseases of Circulatory System }	94.4	113	1	2	8	21	39	38	4
Measles	41'4	80	16	62	2	-	-	~	-	Orang	7010			-	-				_
Searlet Fever	29.2	27	4	16	7	-	-			Bronchitis	91.6	108	33	21	1	4	12	30	7
Typhus Relapsing Fever †	0.0	_	_	-			-	_		Pneumonia	57.7	72 6	22	22 3	4	3 2	10	11	-
Influenza	0.0	1	-	-	-)	-1	-	-	-	Other Diseases of Respi- ratory System}	20.6	18		2	-	-	4	5	8
Whooping-cough	33.6	39	19	19	1	-	-	-	-	Dentition †	74:5	11	9	2					
Diphtheria Simple Continued and	17.7	15	1	10	4	-	-			Quinay, Sore Throat † -	14.8 0.9 14.8	8 39	1	1	- 2	-	-	ī	-
Ill-defined Fever	1.3	1	1	-	-	-	-			Peritonitis Diseases of Liver	6.2	15	29	1	6	1 8	2 4 16	2 7	1
Enteric Fever Cholera and Chol. Diarr.	14·5 8·5	16	6	1	6	7	3 2		-	Other Digeases of Digestive System -	32.2	36	18	2	4	3	4	3	2 2
Diarrhea, Dysentery -	216.2	262	191	52	-	1	3	10	2	Digestive System -)		-					_		
Remittent Fevert	0.4		-	-	-	-	-		-	Diseases of Lymphatic)	1.1	4	H	1		_	2		
Hydrophobia Glanders	0.0			-	-	-	-	-	Ŀ	System & of Duetless Glands †				1	1				
Cowpox and Effects of)	0.1					-		-		Diseases of Urinary)									
Vaccination † Venereal Affections -	12'9	9	4	2		-		-		Diseases of Urinary System }	37.1	37	-	1	1	6	12	14	3
Erysipelas	8.5	2	-	_	_	2	1	1					-		-			- No configure	
Pysmia and Septicsmia †	8.0	3	-	-	-	-	2	1	-	Diseases of Generative	6.0	7	-		-	5	3	-	-
Puerperal Fever	5.8	4	-	-	-	4	-	-		Accidents of Childbirth -	4.0	3	-		-	2	1		-
Other Zymotic Diseases †			-			_	_	-	-	Diseases of Locomotive	0.0								
Thrush	4'4	2	2	-	-	-	-	-		System +}	8.8	6	2	-	1	_	1	2	
Worms and other Para-}	0.4	-	-	-	-	-		-		Diseases of Integumen-	710	1,							
		-		-			-		-	tary System}	2.9	11	4	2	-	1	4	_	
Starvation, Want of Breast-milk † }	2'4	1	1		-	-	L-	-	_										
Alcoholism	5.2	11	-	-	-	6	4	1	_	VIOLENT DEATHS.§									
			1	-			-	-		(ACCIDENT.)									
Rheumatic Fever, Rheumatism of Heart†	6.6	6	-	-	3	1	2	-	-	Fracture and Contusion Gunshot Wound	20.2	17	-	1	3	1	7	5	
Rheumatism †	3.4	. 3	-	-	-	~	-	3	-	Burn and Scald	0.2	3 3	-	1	1	-	2	-	
Gout	3.2	8	-	-	-	-	-	2	-	Poison Drowning	11.3	20	-	-	9	6	3	2	
Cancer	59.2	84.	4	4	1	11	42	30	-	Suffocation Otherwise	8.6 8.6	18	18	-	-	-	1	-	
Tabes Mesenterica -	47.1	41	21	-11	1	3	-	-				-	-			-	-	-	
Tubercular Meningitis - Phthisis	81'4	23	9	7	5	1	-	-	-	(Homicide.)									
Serofula, Tuberculosis -	159'5	129	18	8 5	5	53	49	9	1	Murder & Manslaughter	3.0	1	-	-	-	-	-	L	F
Other Constitutional Diseases † }	8.3	7.	1 -	1	2	2	_	2	_	(SUICIDE.)									
		-	1-	-		-	-		-	Gunshot Wound Cut, Stab	0.8	-	-	-	-	-	-	-	
Premature Birth	41'7	43	46	-	+	-	-	-	-	Poison Drowning	1'4	3 3	-	-	-	2 2	-	i	
Atelectasis + Congenital Malforma-)	2.7	4	4	7	-		-	-		Hanging	2·1 1·9 0·8	1	-	-	1 -	-	-	-	-
чодв	6'7	4	3	-	1	-	-	-		Otherwise	0.8	1	-	-		1		-	
Old Age	47.0	39	-	-	-	-	-	16	23	(EXECUTION.)									
Apoplexy	38.1	33	1	-	1	1	10	18	2	Hanging	0.0	-	-	-	_	-	-		F
Epilepsy	6.2	9	-	-	-	3	5	1	-				-	-		-		-	
Other Diseases of Brain	24.4	43	37	6	-	-	-	-	-	OTHER CAUSES +	83.0	76	69	4	_	2	_	1	Į.
and Nervous System	82°3	85	16	17	3	5	13	27	4										
* The numbers in this							-	-			uli ner e	-							

mbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent, for increase of population, an years average could not be correctly ascertained, the average for the eight years 1892-9 has been used.

Best small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered the case is returned under the heading "no statement," one can be required to the case is returned under the heading "no statement," or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from Small-pox, Measles, Scarlet during the Week ending

ABLE 5. LONDON1010BAIR													duri	ng ti	ne V	v eek	end	in
,							The	DEA	THE	egist	ered:	in the	Wee	k ins	lude			
	Enume-			Deat	hs of					Deat	he fr	om						
REGISTRATION	rated Popu-	e di	Hs.	B. B.	d 60 wds.			p)		ugh.		(or	er.			B.	Public ns.	Cansaa
SUB-DISTRICTS.	1stion.	Вівтие	DKATES	under of Age.	aged R upw	0%0		Fever	ria.	1g-e0	1	d) Fe	con-	38.	l s	Casses	in Pu	ad C
	1881.	Total E	Total I	Year o	Persons Years	Small-pox	Messles	Scarlet	Diphtheria	Whooping-cough	Typhus	Enteric (o	Simple c	Diarrhea.	Violence.	Inquest	Deaths :	Uncertified
		To	To	X	Per	Sm	Me	Sca	Dig	Wb	Ty	图目	ria_	Die	, V	I I	De	Unc
LONDON	3,815,704	2527	1751	635	300	-	80	27	15	39	F	16	1	262	75	128	408	1
WEST DISTRICTS	669,688	401	305	110	59	-	17	5	2	5	-	8	-	52	14	22	93	-
North Districts	905,947	573 138	397 116	148	76	-	15 8	11	5	9	-	5	-	69 18	12	19	83	
CENTRAL DISTRICTS	692,738	483	335	127	54	-	13	4	4	9	-	4	1	49 74	15 27	35 40	86	
SOUTH DISTRICTS - METROPOLITAN HOSPITALS AND	1,265,148	924	575	208	88 6	-	82	7	3	14		-		-	-	- 40	81	
TION LONDON			-		-	-	-	-				-		_		-	-	-
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M.	69888	47 13	32 13	12 6	5	-	1 1	-	-	-	-	-	-	9	ĩ	- 2	<i>5</i> 8	
Rensington Town Was W.M.	37330 130141	66	42 14	11 4	14		1 2	ī	-		-	1	-	1	1	5	23	
Brompton H - W.M.	7599	9 49	1 47	24	- 7	-	3	-	ī	1	-	- '	-	13	3	5	-4	
St. Paul Hammersmith H W.M. & C. Fulham Www - W.M. & C.	64840 42900	58	57 16	28	8	-	4	4	-	1 -	-	1	•	18	1	1	14	
Chelsea North-west WHHHHH. C.	30396 24925 32807	15	12	1	3	-	-	-	1	-	-	-	-	-		-	8	
May Fair WW G.J.	80858 59220	8 20	19 17	1 4	9 2	-	1	-	-	-	ab ab	-	-	2	5	5	13 5	
St. John Westminster HHH - C.	85496 24679	30 6	9	3	-	-	ī	-	-		-	-	-	2	ī	ī	5	
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	29941 16608	17	10 2	1	2 -	-	2 1	-	-	2 -	-	-	-	1 ~	1	1	-	I
NORTH DISTRICTS.	26759	10	10	2	2	-	1	-	-	-		-	-	-	1	1	5	۱
All Souls Marylebone HHHHH W.M. Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M.	14891 24809	13 36	9 8	3	1 3	=	-	-	=	=	-	-	-	3	H	-	1	ı
Cavendish Square HHHHH Rectory Marylebone WH St. Mary Maryleb. HHH Christehureh Marylebone HH - W.M W.M.	21118 83700 33638	23	16 11	6 4	2 5	-	2 -	-	=	-	-	1 =	-	1	1	1	i	ı
Hampstead WwHHHH - N.R. & W.M	45452	31 15	22 12	4 7	6 2	-	1	3	1	1	-	1	-	2	1 2	2	8	ı
Tottenham-court wHHHH N.R.&W.M.	39115 27729 30247	16 11	25 10	7	4	-	-	-	-	-	-	1	-	5 3	2	4	12	
Somers Town H N.R. Camden Town WH N.R.	84369 17311	17 13 71	10 11 50	5 1 23	1 2 12	1 1	3	-	7	- 1	-	-	-	1 12	ī	1 2	8 5	
Unner Hollowey WWWH N.R.	87487 67946	50 67	45 25	19 12	12	-	1	-	-	2	_	1	-	7 8	~	1 7	19	
Islington South-west HII - N.R. Islington South-east - N.R.	100976 61895 52048	27 28	18 20	13 5	5		î	1 -	1	2 -	-	=	-	6 5	1 ~	1	-	
Stake Newington H - " N.R.	22781 9277	17 10	10 5	4 2	1		-	-	1 .	-	-	-	-	1 -	1	-	-	
West Hackney H N.R. Hackney WwwwH - E.L.&N.R.	87610 76911	24 62 28	13 45 18	2 14 10	6 2	-	1 3	7	2	2	-	2	-	6	2	3	17	
South Hackney E.L. CENTRAL DISTRICTS.	39888						0	-		-	-			8		-		
St. George Bloomsbury - N.R. St. Giles South WH - N.R. N.R. N.R.	16681 14864	9 3	4 5	3	2	-	-	-	-	-	-	-	-	-	-	ī	4	
Me Martin-in-the-Fields HH N R. & C.	13837 17508	2	10	1	2	-	-	-	-	-		-	_	2	2	2	4	
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	ī	8 2	1 -	2	-	-	-	=	ī	-	-	-	-		1	1 2	
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R.	18671 10706	13	18	8 3	1 -	-	-	-	1	-	-	-	-	2	-	-	9	
Saffron Hill H N.R. St. James Clerkenwell - N.R.	6588 17516	13 8	6 3	8 4 1	ī	-	-	-	-	-	-	-	-	4.\	1 ~	1		
Pentonville N.R.	19281 14778 17506	9 14	4 7	2 4	ī	-	1 1	-	-	-	-	=	-	1 1 2	=	-		
City-road HHL N.R.	11541	26 6	6 21 3	9 1	2 2	-	1 2	-	-	1 -	-	-	-	3 -4	- 4	7	5	
Whiteeross-street - N.R. Finsbury Helborn Union Workhouse, Mitcham w.	9217 7468	4	1	J	- 1	-	-	3	=	-	7	-	-	1 -	=	-	-	
St. Botolph H - N.R. &E. l.	11174 7198	7 2	2 1	1 = 1	1	-	-	-	-		-	-	-	-		-	- 1	
St. Sepulchre H N.R. St. Bride W N.R.	5358	1 4	7	1 -	1 -		-	-		-	-	-	-				7	
Allhallows Barking N.R. Broad Street H N.R.	18666 5652	1	1	-	ī	-	-	-	-	-	7	-		-	=	1	-	

NOTE - The Italie letters pinced against the names of the suc-districts denote l'ublis institutions situated therein, cam by: W—Work house; H—Hospital; L—Lunatic Asylum; Ls—Private Lunatic Asylum in which paupers are received; w—Workhouse Essablisamers receiving immates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Cholsea; S. Southwark and Vauxhall; L. Lambeth; N. R. Ne Ne:

ER, DIPHTHERIA, WHOOPING-COUGH, FRVER, DIARRICA, VIOLENCE, &c., registered in each Sub-district trday, 16th August, 1890.

rday, 16th August, 1890.									,		<u> </u>	or eu				- 55) L LL (,1
							The	DEA	THS I	ogist	ered i	n the	Wee	k incl	ude			
	Caumo-			Deat	hs of					Death	s from	n						
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Burnes.	Total DEATER.	Year of Age.	Persons aged 60 Years & unwds.	Small-pox.	Measies	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Fyphoid) Freer,	Simple con-	Diarrach.	Violence.	Inquest Cases.	Deaths in Funite	Uncertified Causes
East Districts. redited South HL^{\otimes} - N.R. ton New Town ω - N.R. ton Old Town N.R. gerston WH - N.R. & E.L.	22343 29937 28036 46275	8 16 16 40	6 17 11 33	2 6 7 11	- 6 2 7	1111	1	1	1111	1111	1111	1111	1 1 1 1	1 4 8	- 1	1	8 5 10	1 1 1 1 1
hnal Green North H - E.L. hnal Green East WHL^* - E.L.	51157 34399 41405	26 23 24	14 9 20	3 3	4 7	- 1	1 -	-	ī	-	-	-		3 5	2 -	2 -	12	
alfields E.L. e End New Town W E.L. itechanel Church H E.L. & N.R. dman's Fields E.L. gate E.L. N.R. & E.L.	22585 15478 17490 9713 6102	12 20 15 6 2	11 16 21 1 5	10 7 6 1	2 1 -	1111	1	1	1111	1111	1111			8 1 4 1	2 - 1	3	6 14 -	11111
George's, North E.L. John, St. George East W - E.L.	38747 8410	28	17 10	11 3	3	-	-	-	1	4	-	-	-	1	-	1	7	:
dwell H E.L. & N.R E.L. hehouse E.L.	10895 16107 32041	5 10 29	12 5 8	6	2 2 2	-	1 -	-	ī	- 1	-	-		2 -	1	2 2	8	- 1 1
e End Old Town West H - E.L. e End Old Town East WwwH- E.L.	87960 87653	41 32	18 21	11 19	4	7	1 2	-	-	1	-	1		2 5	~	ī	5	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	37074 64359 55077	83 43 41	16 85 29	5 11 9	2 8 1	:	3 - 2	1	1	1100	- 1 -	1 -	-	2 6 4	2 1 5	3 5 8	15	
SOUTH DISTRICTS. ristchurch Southwark WH L. & S. Baviour Southwark - S. ttroad - S. & L. rough-road WH - S. & L. don-road HL - L. & S. nity Newington - S. & L. Mary Newington - L. & S.	18663 14999 21381 15968 21318 26672 59555 21623	2 9 14 18 16 37	7 7 13 18 7 21 22 8	2 2 1 5 4 5 12 5	1 2 1 2 2 2 2	11111111	1 2 2 2 -	1	11100111	1 - 1	1111111	1	11111111	188 2 5 2	2 - 1 1 1	2 1 1 -	7	21 - 1 -
Mary Newington - L. & S. Olave WH S. ther Market S. & L. Mary Magdalen W - S. James Bermondsey - S. herhithe WH S. & K.	11956 16800 15669 54682 86024	4 6 13 38 30	7 7 11 15 22	1 3 6 8	1 3 3 2	1111	1 1 2		17117	1	1111	11411		1 3 1 3	2 2	2 - 1 2	4	1 1 1 1
terloo-road 1st # - L, & 8, terloo-road 2nd # - L, & 8, mbeth Church 1st # - L, & 8, mbeth Church 2nd ## - L, & 8, mington 1st 8, & L, anington 2nd 8, & L, axion & L, & 8, rwood #, L, & 8,	15195 16351 19876 39859 45232 35832 62337 19017	14 22 30 31 17 12 27 15	4 6 20 34 18 10 21 2	1 2 6 11 7 4 11	1 1 2 12 2 1 1	1111111	2 2 2 -	1	1	1 2 -	1111111	1	1	- 542 3 3	2 1 - 1	1 3 2 - 1	1 13 15 1	
t Battersea	54675 52587 86880 28004 13235 25553	52 46 21 24 7 23	23 32 7 23 5 6	12 15 1 11 2 3	3 2 3 2 -	111111	2 2 5 1	1	11111		111111	11111	1,11111	3 3 3	2 1	3 1 1 1 - 1	3 1 1	1
wich	5590 59104 71089 50810	3 54 00 53	3 30 22 27	1 3 7 9	7 8 5	1111	- - 1	1	1111	1 1 1 1	1111	1111	1111	- 2 3 4	1 2 -	3 2 1	11 2	
Paul Deptford so K. Richolas Deptford K. schwich West H K. senwich East WHH K.	76752 7901 21972 24603	66 4 12 18	41 1 9 24	19 1 4 14	6 - 3 4	11.11	1 - 2	2 -	1		1 1 1	2 -	11,11	4 - 3	2 2	3 3	4 - 7	1 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	7 13 17 19	1 6 7 7	- 2 - 1	1 2 2 1	1111		-	-	1 1 -		-		1 1 -	1:	1	1	1 1 1 1
arlton H/I K. olwich Dockyard K. olwich Arsenal HH K. mstead, West H K. mstead, East W K.	10980 17617 19049 14009 19241	9 12 19 15 16	3 4 5 1 8	2 1 2 1 2	1 -	11111	11111	11111	111111	11111				1 1 -	11111	11111	- 4	11111
pital Ships and Camp, Dartford - nohmore Hill Hospital - reham Asylum - enth Asylum - enth Asylum - stead Asylum - astead Asylum - nstead Asylum - nstead Asylum - nwell Asylum - nwell Asylum - y of London Asylum - y of London Asylum -	ha ha ha ha ha ha ha ha ha ha ha ha ha h	1111111	31666	11111111	2 1 2 - 1		11111111	1111,1111	***********	Second Second					11111111		3 1 6 6 - 1 5 1	118111111

TABLE 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums)
Area; Population; Births and Deaths registered during the Week ending Saturday, 16th August, 189

80:1 (2 H 37:1 (38:1 (REGISTRATION SUB-DISTRICTS.	Area in Acres, inclu- ding Tidal Water	Enume- rated	ກໍ		Dea	ths of	1	The D							1	
District and Subdistrict Numbers. LON1 80:1 (2 1) 37:1 (38:1 (2 1)		inclu- ding Tidal Water	rated	no.	1						Death	s from					
Sub- district Num- bers. LON1 80:1 (2 1 37:1 (38:1 (2 1		Tidal Water	Donn	1 23	HIS	-	8.5	-	1	1	1		1	1	1		lio
LONE 80:1 (37:1 (38:1 (2)	SUB-DISTRICIS.		Popu-	BIRTHS	DEATHS	nfants under Year of Age.	pad bad			er.	١.	Whooping-cough	1		1	808	Publio
LON1 80:1 (2 1 37:1 (38:1 (2 1		and	lation, 1881.	BII	DE	o du	a aged	Small-pox.		Soarlet Fever.	Diphtheria.	ing		8	9	Inquest Cases.	Deaths in Pul
LONE 80:1 (2 H 37:1 (38:1 (2 H		Fore-	4001.			Infants Year	Persons Years 5	la L	Measles.	rlet	hth	door	Fèver.	Diarrhoss.	Violence.	nes	aths
80:1 (2 H 37:1 (38:1 (shore.				F	Per	Sm	Ä	Sog	ia	W	- E	Oig	V.	- I	De
37:1 (38:1 (2)	DON - OUTER RING	370,924	950,957	841	447	176	81	-	11	3	4	12	2	.87	11	16	29
37:1 (38:1 (2 1	Carshalton wL -	12228	21118	6	_	-	-	-	-	-	1-1	-	-	-	-	-	-
38:1	Epsom (part of)* WwH	9971	10710	4	5	-	2	-	•	-	-	-	-		-		3
2 2	Godstone (part of) * -	2754	1235	2	-	-		-	-	-	-	(-)	-	-	-	•	
	Croydon Ww L -	20851	101241	47	81	13	5 2		2	1		2	-	.5	1	2	2
08: 1	Mitcham w	11697	17982	11	3		-	_	. 1		_	_	_				
2 1	Wimbledon HHH - Kingston WHH	8220 8549	15950 36354	19	12	2	3	-	-	-	-	-	-	1	-	-	~ -
8 1	Esher (part of) * -	6601	9221	8	8	-	1	-	-	-	1	-	-		-	-	-
	Hampton H	4578	18539	10	7	2	3		-		1			1	1	1	1
	Richmond WH Mortlake 2	2272 2911	21302 12331	14	8	2	2 2	-	1 -	-	-	-		_	1	1	1
	Bromley (pt. of) * HH	15669	81142	23	14	2	3	-	-	1	-	1	-	-	.1	1	2
	Chishrst(pt.of)* WHH	14507	15844	12		1	1	-	-	-	-	-	-	-	1	1	3
	Bexley H	18437	24134	20	11	4	2		-	-	-	-	-	2	-1	-	-
	Dartford (Ww, pts. of)*	-	7	-	-	-	-		-	*	-	_	-		-	-	-
	Sunbury w	11055	11685 12089	9	3	1 -	2		-	-	-	-	-		1	1	
	Hillingdon WHH -	6029	10802	7	2	1		-	_	_	-	-	_	1		1	
1	Uxbridge	6178	5225	8	-	-	-		-	-	-	-	-	-	-		-
	Hayes wHL	14587	11528	2	1	-	1	-	-	-		-	-		-	-	-
	Isleworth WHH -	7008	22727 12479	16	7 8	1 8	2		1	-		-	-	1 8	-	-	3
	Twickenham H Brentford HL	2477 4345	27649	10 20	20	13	3	-	_	1	-	-	-	5	-	-	
4 (Chiswick	1840	15975	10	7	3	-	-		-	-	-	-	- 4	-		
	Acton wH	6083	22876	28	9	2	4						-	2			
	Harrow H Edgware H	13809 6994	12796 3749	8	5	2 -	1 -		-		-		-		-	1	
	Willesden	4383	27458	34	23	12	8	-	1	-	1	-	-	. 4	-	1	-
	Hendon W	8382	10484	14	10	4	8	-	-	-	-	2		3	-	-	2
	Bushey	9381	6621	2	1	-	1		-	. • ~	-	-	-		-	3	-
	Watford (W, pt. of)	155 99	6391	3	1												
	Barnet	54 88	10092	6	3			-	-	-44	-	-	-		-	-	2
	Finchley HL	4683	17615	18	5	1	8	-	-		-	-	-	2	-	-	1
_	Hetfield (part of) * -	3006	588	-	- 1	-	-	-	-	-	-	-	-		-	-	- 3
	Hornsey H	8089	37078 46456	80	20	7	7	-	1	-	i - I	2	-	1	1	1	-
	Tottenham H Edmonton Ww -	4642 7488	23463	21	12	18	8		1			3	1	11		1	1 2
4 7	Enfield WH	12653	19104	25	14	2	2	-	8	-	-	-	-		1	-1	1
	Waltham Abbey Cheshunt	11017 8480	5368 7785	6	1 2	-	1		-	-		-	-	-	-		- 1
	Stratford	889	38606	84	19	11	1					_	-	5	1	1	1
2 7	West Ham www H -	4055	90347	130	51	83	8	-	-	-	-	1	1	12	1	1	
	East Ham www	3296 4372	10706 32430	25 42	9	5 13	1	-	-	*	-	-	-	4	1	1	
	Leyton WwL Walthamstow H -	6520	28869	86	25 25	13	8.	-	1		1 -	1 -	_	12	-	-	4
	Chigwell (part of) * H	11761	9639	3	5	1	1		-		-		_	1	-		
	Epping (W, pt. of)* -	nije.	-		-	-		-	-	-	-	1-1	-		-	-	
	Romford (part of) * W	6730 8498	3411 7645	1 9	2	-	-	-	-	-	-	a.		1	-	-	
	Barking Town	4127	9203	17	8 4	1	1		-	-	-	-	-	1	1 -	-	7

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as folio \$3:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone district; 39:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromlay sub-district, except the parish of Cadham Knockholt (pop. 1818); 41:2, Chishehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hat sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 847); 135:1, the parish of Dagenham in Romford sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 847); 139:1, the parish of Dagenham in Romford sub-district; 187:1, Chigwell sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 847); 139:1, the parish of Dagenham in Romford sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 847); 139:1, the parish of Dagenham in Romford sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 847); 139:1, the parish of Dagenham in Romford sub-district; 2, Watford, and 187:2, Epping, sub-district;

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 16th August, 1890.

	Area			LRATE	1		The Da	ATH	regi	stere	d in t	he W	eek	inolud	le	
GREATER	in Acres,	Estimated Population.		0 living.	DEATHS	Deat	hs of				Death	s fro	m			Public Our.
LONDON.	including tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violance.	neaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.		11.	15.	13
ATER LONDON	448,334	5,758 500	19.9	5.1	2198	811	381	-	91	30	19	51	19	349	86	437
NNER LONDON . UTER RING .	77,410 870,924	4,421,661 1,386,839	20°6 17°4	5·2 4·6	1751 447	635 176	300 81	-	80 11	27	15	39 12	17 2	262 87	75 11	408

NTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 60.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 Foreign CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

	POPULATION	D			`	ANNUAL	Di	EATHS	FROM	PRIN DISEAS	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DAT OF RET Week en	URN.	BIRTHS. Exclusive	DEATHS. of Stillborn.	DEATH- RATE per 1000 living,	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
OUTTA	433,219	June	14	_	154	18.2	6	-	-	_	-	44	361
IBAY	773.196	July	22	288	330	18.2	1	3	9	9.	p	109	241
BAS	398,777	June	27	373	262	34°1	1	4	2	?	. ?	80	41
18	2,260,945	August	9	1236	873	20.1	2	25	. 2	24*	7	10	104
8 Faubourgs.)	477,288	89	9	271	201	22.2	1	7	-	1	3	4	38
TEEDAM -	406,302		9	253	116	14.8	-	3	14	1	-	2	2
TERDAM -	203,486	33	9	145	55	14.0	-	-	-	. ~	1	-	_
HAGUE -	156,497	33 1.1	9	. 99	73	24*1	1 -	4	₹.	-	_		time .
BRHAGHN -	312,387	85	9	_	140	23*4	,=	15	4	10	3	-	9
CKHOLM -	236,350	90	2	123	80	17.6			5	2*	1	2	12
- AIWAITBI	143,300	23	9	39	55	20.0	-		. 1	2	-	_	10
THE SHURG	842,000	**	2	-	362	20.4	3	15	23	7	4	8	79
LIN	1,526,887	July	26	982	631	22.0	-	. 17	5	17*	-	4	143
IBURG(State)	575,276	August	2	427	247	22.4	2	11		3*	2	2	25
SDEN	269,250	11	2	194	118	22*8	-	5	1	2*			23
SLAU	324,400	19	9	240	252	40.6	~	-	5	5*	1		77
LICH	298,000	,,	9	-	189	33.0	-	1	3	3*	~	2	69
RMY	822.176	32	9	502	376	23.8	1	8	1	2	1	-	74
GUE	314,425	33	9		171	28.4	-	4	1	5	3	1	6
A-PESTH -	463,017	29	2	340	245	28.1		2	5	4		1	49
STE	160,092	~99	9	107	78	25*3	-	-			-		15
	418,217	July	5	~	-			-		-	-		
IN (10 days)	314.827	99	10	-	/- I	, ' I	*	- 140	· [7]	100	-	-	**
IOR	156 515	v .	26	73	70	23*3 '	7	5	-	1	-	1	11
RO	374,838	15	24			***	-	-	-	gia .		-	~
KANDRIA .	231,396	**	24	-	-		-	-	-	-	-	-	-
YORK -	1,617,997	. ·	26		815	26.0	_	. 9	4	29	15	8	173
OKLYN .	859,612	27	26	-	389	23'3	-	4	1	14	8	5	95
LADBLPHIA .	1,064,277	11	26	_	380	18.6	-	-	4	4	16	10	61
TIMORE .	500,843		26	-	163	17.0	-	_	1	2	6	5	39
ORLEANS -	254,000	3)	12		129	26.5	-	-	-	2	1	7	9
		,,	1		- 1			1					

^{*} Including deaths from croup.
† Including 11 deaths from cholera in Calcutta and 4 in Bombay,

he Week ending Saturday, 16TH AUGUST, 1890. TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during Under the Superintendence of the Astronomer Royal.]

3.5 8.0 0.0 0. the aggregate duration of bright sunshine on each day.

The results of all the meteorological observations are to be understood as applying to the The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show The height of the cistern of the barometer is 159 feet above the mean level of the sea; no eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are darkness from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-The average temperature of the air is that derived from a discussion of the photographic The thermometers in the water of the Thames are suspended at a depth of two feet below as writing at the end of one of the jetties of the Foreign Cattle Market at Deptford, and The reading of the barometer decreased from 29.78 in. at the beginning of the week to 29.53 in. of the photographic records made during the twenty years ending 1873 for the barometer, and records made at Greenwich during the 20 years ending 1868, and that of horizontal movement converted into mean daily values by the application of corrections deduced from a discussion The record of Electricity is derived from Thomson's self-registering Electrometer, symbols employed are :--P. positive; N. negative; w. weak; m. moderate; s. strong; be borne in mind that + indicates "higher," the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, if heir readings are registered by the Clerk of the Market, under instructions from in a Gauge whose St.0 in. 10.0 00.0 of the air from a discussion of the anemometric records for the 16 years ending 1875. Average of 16 Years. Miles. 69 +285 18 33 59 Sum + 523 +207 + Robinson's. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. of the Air on each Day. Sum 2289 24 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. during the twenty years ending 1868 for the thermometers. 0.0 7.5 53 Pressure on the Least. 0.0 8.1 2.2 In reading the columns 9 and 25 it will ESE.SW. & W. WNW. SW. & SSW. SSW. & SW. WSW. & SW. WSW. P.M. SW. General Direction. SW. their readings are registered - "lower," than the average. SW. WSW. & WNW. SSW. & SW. ENE. & E. SSW. & SW. W. & WNW. WSW. A.M. Corporation of Lond metrical Tables. 65.2 63.6 8.49 of the Thunes at Deptiord. est. 18 v. variable. High-65.5 65.8 0.99 8.79 65.3 7.79 est. 52.7 25.4 0.09 1.45 9.77 9.87 Of Radiation. morning; fine afterwards; Frequent heavy rain between 6h. A.M. and Ilh. A.M., with lightning and thunder before 7h. A.M.; fine with variable amounts of cloud in afternoon; overcast and showery at night. Overcast and showery in morning; fine and partially outly till evening, with occasional distant thunder Fine; partially cloudy till evening; overcast afterwards. of cloud till evening; generally Slight showers in morning. variable High-est in Sun's Rays. 131.8 0.401 38.1 equals 100). fine with 96 25 88 89 94 94 82 14 GENERAL REMARKS. 1.5 9.0 0.1 0.2 Jeast. the Air Temperature and Dew Point Generally overcast till evening; Cloudy and showery in morni cloudy till evening, with occasi 2.41 mounts of cloud afterwards, 22.4 19.5 9.17 6.81 est. Fine; partially cloudy. Mean daily 2.07 00.2 Variable amounts oudless at night. Mean daily value. Of the Dew 9.6 55.00 61.2 6.19 clusty wind. De-parture from Average 6.2 3.4 1.3 9.0 6 ŧ CEMPERATURE. Registered Sun above Sunshine, Horizon, in hours, in hours. 62.7 63.6 8.09 2.69 61.7 28.4 1.19 00 14.6 2.71 14.7 14.4 Of the Air. Daily lange. 8.2 6.03 20.1 1.61 9.81 2.61 -3 Sum 32.6 2.7 0.3 6.9 9.79 9.99 2.19 4.79 LOWest. 9 0 73.2 1.72 w. P. till Gh. A.M.;
P. and S. N. from 6h.
A.M. till 9h. A.M.; w.P.
ill 9h. P.M.; v. P. and 75.1 w. P. and occasionally w. N. till afternoon; m. P. afterwards. till 8h. A.M.; 10 0 (For explanation of symbols, see Note.) w. P. throughout w. P. throughout W. P. throughout ELECTRICITY. P. afterwards, in. 29.573 29.276 59.266 29.600 29.269 209.602 \$87.63 9h. P.M.; v. Dee. N. of the New 97 12 14 12 10 12 14 MONTH AND No. of Col. AUGUST. 1890. DATE. AUGUST. MEANS PHURB. Mon. PUES. WED. PRIDAT SUM. SAT. GRI.

OFFICIAL COPY.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 34. 1890. Vol. LI.]

WEEK ENDING SATURDAY, AUGUST 23.

[Price 11d.

General Register Office, Somerset House, 25th August, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in Twenty-eight Great Towns of England and Wales corresponded to an annual rate of 21.0 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending	Was .	agency .			Weeks	ending	5
Towns.	Aug.	Aug.	Aug. 16.	Aug. 23.	Towns.		Aug.	Aug.	Aug. 16.	Aug. 23.
Birkenhead	15.9	23.8	21.8	14.4	Liverpool -	-	21.0	21.6	23.0	25.2
Birmingham	19.4	20.1	21.0	24.6	London -		19.8	18.8	20.6	19.2
Blackburn -				21.1	Manchester		26.1	25.8	27.6	26.8
Bolton -				24.8	Newcastle-on-T	yne	25.3	23.4	33.9	29.4
Bradford -	17.8	17.6	14.3	16.9	Norwich -	-	18.6	19.7	20.8	24.6
Brighton -	12.2	19.4	21.5	21.9	Nottingham		13.6	14.5	11.9	15.3
Bristol -	14.4	15.0	14.1	13.0	Oldham -		16.3	15:3	12.8	16.3
Cardiff -	9.8	16.5	26.3	20.9	Plymouth -	-	22.5	25.8	17.2	18.5
Derby -	15.5	16.0	14.5	23.3	Portsmouth		19.3	16.0	20.8	19.3
Halifax -	16.5	15.9	15.9	15.3	Preston -		21.3	28.3	43.6	31.7
Huddersfield	15.5	14.4	19.4	22.7	Salford -	-	24.3	17.8	18.7	27.5
Hull	16.3	14.4	19.5	22.7	Sheffield -		22.4	24.4	25.2	27.6
Leeds -	20.2	19.5	21.6	20.4	Sunderland		19.9	17.6	22.5	24.4
Leicester -	18.2	19.3	17.9	17.9	Wolverhampton	- 1	1	20.6		

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.0 in Birkenhead, and 1.1 in Bradford; from scarlet fever, 1.1 in Huddersfield, 1.2 in Manchester, and 1.8 in Bolton; from whooping-cough, 1.1 in Norwich and in Huddersfield; and from diarrhæa, 5.6 in Salford, 5.9 in Hull, 6.1 in Sheffield, 7.1 in Norwich, 7.2 in Birmingham, and 12.4 in Preston. The rate from "fever" did not reach 1.0 per 1000 in any of the twenty-eight towns. The 36 deaths from diphtheria included 20 in London, 6 in Salford, 3 in Liverpool, 2 in Manchester, and 2 in Birmingham. No death from small-pox was recorded in any of the twenty-eight towns.

LONDON.

In London 2487 births and 1629 deaths were registered. Allowing for increase of population, the births were 203 below, while the deaths exceeded by 85, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18.8 and 20.6 in the two previous weeks, declined again last week to 19.2. During the first eight weeks of the current quarter the death-rate per 1000 averaged 18.5, being 1.6 below the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 63356.-8, 635.-8/90. Wt.

The 1629 deaths included 73 from measles, 16 from scarlet fever, 20 from diphtheria, 39 from whooping-cough, 11 from enteric fever, 255 from diarrhœa and dysentery, 12 from cholera and choleraic diarrhœa, and not one from small-response, or ill-defined forms of continued fever; thus, 426 deaths were referred

to these discases, being 91 above the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 7; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, and one in the Highgate Small-pox Hospital. The deaths from measter, which had numbered 95 and 80 in the two preceding weeks, further declined last week to 73, being, however, double the corrected average. The fatal cases of scarlet fever, which had been 19, 17, and 27 in the three preceding weeks, declined again last week to 16, and were 19 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1427 scarletfever patients at the end of last week, the numbers on the three preceding Saturdays having declined from 1505 to 1457; 148 cases were admitted during the week, against 168, 118, and 125 in the three preceding weeks. The deaths from diphtheria, which had declined from 36 to 15 in the three previous weeks, increased again last week to 20, but were 2 below the corrected average. The deaths from whooping-cough, which had been 37 and 39 in the two previous weeks, were again 39 last week, exceeding the corrected average by 4. deaths from diarrhea, though slightly fewer than the number in the previous week. exceeded the corrected average by 78; 235 were of children under 5 years of age. Twelve deaths from [cholera or choleraic diarrhæa were recorded; of these, one was attributed to English cholera, 2 to cholera infantum, 2 simply to cholera, and 7 to choleraic diarrhæa.

The deaths referred to enteric fever, which had been 11, 11, and 16 in the three previous weeks, declined again last week to 11, and were 3 below the corrected average. The Metropolitan Asylum Hospitals contained 80 cases of enteric fever, and 3 of typius, on Saturday last; 13 cases of enteric fever were admitted during

the week, against 11 and 12 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had been 197 and 208 in the two preceding weeks, were 203 last week, exceeding the corrected

average by 27.

Different forms of violence caused 54 deaths, concerning all but 2 of which inquests were held. Of these 54 deaths, 5 were cases of suicide, and one of manslaughter, while the remaining 48 were attributed to accident or negligence. Ten of these were caused by horses or vehicles in the streets, 4 by burns or scalds, one by poison, 3 by drowning, and 9 (including 8 of infants under one year of age) by suffocation.

GREATER LONDON.

In Greater London 3235 births and 2097 deaths were registered, corresponding to annual rates of 29·3 and 19·0 per 1000 of the estimated population. In the Outer Ring 110 deaths from diarrhea, 21 from measles, and 17 from whooping-cough were recorded. The deaths from diarrhea included 48 in the district of West Ham, and 14 in the sub-district of Tottenham.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.73 ins.; the highest reading was 29.92 ins. on Friday at noon, and the lowest 29.52 ins. on Saturday morning. The mean temperature of the air was 59°0, and was 2°5 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency on Tuesday amounting to 6°5. The direction of the wind was variable, and the horizontal movement of the air averaged 11.6 miles per hour, which was 2.2 miles above the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of one inch. The duration of registered bright sunshine in the week was 31.9 hours, against 36.4 hours at Glynde Place, Lewes.

_												,				,		160		9	9.											04
	CHAMAS	AND BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	WOLVEBHAMPION.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	BOLTON.	MANCHERTER	SALFORD.	OLDHAM.	BLACKBURK.	PRESTON.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW. DUBLIN.
	ALE.	Centi-	In	24.	1.68	2.24	1.47	2.01	1.37	1.30	1.40	,	1	1.42.	ı		96.1	,	1	,	1	ı	1 1	3.28	1	1	16.0	0.36	2.13	1	1.42	5.94
	KAINFALL.	•aado.	ul al	23.	99.0	00.1		64.0	0.54		0.22	1	1	0.26	ı		- 1		1	,	8	1	1 1	1.59		1	0.38		0.84 2	1		2.34 5
AIR.		rade.	SitnsU	22.	3.72	00.91		00.21	19:91	00.7	12.94	1		88.	ě		07 7		1	-4		1	1 1	12.94		1	68		.94	1		
P THE.	Maan	.tiədn	Карте	21.	26.7 13	59.0 15		59.0 15	60.2 15	اعا	55.3 12			26.0 13	1		er a co		1	1		1	1 1	55.3 12.		_	55.2 12.		53.5 11.	_	55.6 13.11	55.2 12.89
TEMPERATURE OF THE AIR.	-	Lowest	lit.		4						-34				_		-															
HPERA	-	Highes	Fahrenheit.	20.	9 44.	9 49.1		5 53.0	0 51.4	5 49.0	6.44.6			3 45.6			6 04			_		1	1 1	48.0		1	0.95		48.0	_	_	45.6
			-	19.	1 75.9	6.22		2.89	3 72.0		6.89	1		69.3	1		3 '	- 1	1	1	1	1	1	6.99	-	1	0.69		0.49	-	65.2	65.8
Annual Rate per 1006,	corresponding to the	mo ni ses	rTT sesi(I	18.	5.4			5.1			4.4	90				9 14		2.2		2.2	1.3	12.9	0.0	e0 50	.4	30	8.9	2.1	4.2	6.7		3.0
Ann	TVoor	All a	H) TOD	17.	21.0	19.2	21.9	19.3	18.5	13.0	9.05	24.6	6.41	15.3	23.0	14 4	24.8	26.8	27.5	16.3	21.1	31.7	15.3	6.91	20.4	9.46	2.66	P.4.6	29.4	50.8	16.5	20.0
		belities 19(I to 89	-	16.	98	13	67	1 -	1	67	1	20	-	1	1	1 5	7	4	23	н	70	- 0	D 03	-		471	9	1	000	00	12	24
	-	Publie Publie Ricitution		15.	557	342	1 -1	· 03	9	ۍ «ن	9	13	න ්	o •	9	3	3 00	31	13	া	-1 4	90 0	o H	4	12	12	0	9	00 0	9	27	21.84
	.8	9885 3891	nbuj	14.	213	105	00 0	1 12	ı	10	67	0	67	4	4 0	11 6	9 03	17	9	-	-	1	-	H	00	г	2	63	7.3 k	-	G.	e- 10
lude		•poue	Viole	13.	122	54	ಣ	1 1	ı	2	91	-	-	က	p-1 p	101	3 63	1-	49	Н	-	1	ı –	ı	9	63	Н	port	4	1	44	p= 00
eek inc		These.	TRIC	12.	705	255	200	13	2	10	9	64	13	15	. o	0 77	H .00	85	56	-1	63	22	o 1	<u>ه</u>	272	39	42	14	12	12	9	15
be W		*10	E.G.	77	24	11	1 -		Н	1 1	-	1	1 1	-	1 -	- 0	0 1	1	1	1	ı	1	1		ı	Н	1	М	1	1	8	1 4
The DEATHS registered in the Weck include	from	-gaiqo	W ho	10.	22	39	1	1 63	1	-	1	63	-	6.2	-	1 10	0 01	ေ	67	1	1	н о	4 1	1	-	4	ಣ	ı	1	1	1	10
egister	Deaths	.sirədə	Dipb	6	36	20	ı	1 1	1	1	1	6.1	1	1	1	1 0	o 1	63	9	1	1	1	1 1	1	3	-	-	1	-	1	23	61
ATHST		let. ver.	Scar Fe	8	26	16	1	1 1	1	H	1	4	67	0.1	1	1 0	2 4	6	63	1	ı	1 0	1 1	-	-	107	1	1	1	;	42	н 1
he DE		ales.	МэТС	-	106	73	m	1 1	1	-	1	61	1	61	1 0	N 0	P F4	4	67	- 1	1	1	1 1	10	H	Ť	i	1	1 :	N	7	01 01
H		.xoq-ll	Sms	6	1	ı	1	1 1	1	1	1	1	'	1	1	1	1 1	1	1	1	1	1	1 1	1	1	4			Tables of the latest of the la	=	:	. :
	10 81	ons aged Years pwards.	Person 60 and u	.0	623	284	00 }	1 91	1	13	41	21	10	12	10	20 00	₽	. 29	11	13	14	13	20	9	29	18	18	6.	14	9	26	10 65
	Deaths	ts under ear of Age.	7	4	1545	603	22	27 00	00	17	0	109	31	31	17	100	19	11	54	14	15	99	11	32	10	76	42	28	43	97	Jo	32
during	guipa	- Street, or other Designation of the last	DEATES.	55	3907	1629	57 5	45	28	90 00		218	. 53	7.5	45	67	200	195	128	46	20	64	24	78	142	176	93	64	35	47	84	213
Devisebened district	the Week ending	ngny nio	BIRTES, D	33	5649	2487	52	96	57	129	55	275	35	112	48	67.	64	234	118	7.1	85	27	42	128	225	506	126	86	120	00	139	205
	Z	to the middle of the Year 1890.*	21	1.	9,715,559	4,421,661	123,659	142,952	78,780	232,248	83,406	461,865	154,344	244,909	100,871	102,049	115,846	579,437	242,509	146,716	123,553	105,163	82,034	240,515	363,799	332,837	213,833	186,506	117 019	PTO!ICY	271,135	530,208 353,082
-				Cols.	0		•			•	TON	•	•	•	•	8 4		٠	•	•		• 1					•	-			٠	
	CTTER	AND BORUUGES.		5	28 TOWNS	LONDON .	BRIGHTON .	PORTSMOUTH	PLYMOUTH .	BRISTOR .	WOLVEBBAMPTON	BIRMINGHAM	LEICESTER -	NOTTINGHAM	DERBY	BIRKENHEAD	BOLTON -	MANCHESTER	SALFORD .	OLDHAM .	BLACKBURN .	PRESTON -	HALIPAX .	BRADFORD .	LEEDS		· · TTOP	NEWGASTER	CARDIER .		EDINBURGE .	DUBLIN -

TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-FOURTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females	2497	2393	2554	2450	2660	2413	2421	2521	2401	2358	2690·0	2487
	1253	1209	1306	1242	1381	1226	1249	1231	1189	1218	1363·6	1266
	1244	1184	1248	1208	1279	1187	1172	1290	1212	1140	1326·4	1221
Total Deaths Males Females .	1488	1342	1401	1356	1579	1371	1458	1490	1438	1240	1544·4	1629
	789	696	755	699	825	692	745	781	763	-674	809·0	794
	699	646	646	657	754	679	713	709	675	566	785·4	835

[•] The numbers in this column are the average weekly numbers in the thirty-fourth weeks of the ten years 1880-39, raised by 9 046 per cent. for increase of population.

TABLE S. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRDREN WARRE

TABLE 3. LONDON.—B	IKIHS	, DEA	THS,	and b	LETEC	ROLO	GY In	tne l	Last '	I'HIRT	EEN	VEEK	5.
	May 31.	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug.	Aug.	Aug.	Aug. 23.
TOTAL Births	2091	2399	2477	2516	2359	2480	2472	2346	2512	2557	2176	2527	2487
Total Deaths	1411	1393	1375	1387	1346	1481	1471	1522	1418	1683	1594	1751	1629
Ages at Death 0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & upwards	713 186 222 244 46	667 186 250 235 55	658 172 229 247 69	672 177 239 248 51	669 155 254 220 48	798 165 239 237 47	800 174 214 231 52	823 157 249 250 43	793 132 227 219 47	938 186 232 277 50	915 171 225 230 53	1019 169 263 246 54	964 148 233 235 49
y {Under 1 year - 1-5 - 5-20	349 250 114	285 280 102	297 267 94	318 262 92	339 256 74	423 281 89	428 281 91	445 277 101	438 282 73	554 286 98	549 294 72	635 294 90	603 292 69
Deaths from Small-pox ,, Measles , Scarlet fever	83	91	100	99	101	100	99	104	94	82	95	80	73
,, Scarte level ,, Diphtheria , Whooping-cough Typhus	25 78	20 75	24 59	19 66	7 24 52	13 21 57	20 22 66	12 19 56	13 20 62	19 36 45	17 22 37	27 15 39	16 20 39
", Fypinds ", Enteric fever ", SimpleContd feve ", Diarrhoa and	3	7 1	111	6	9 -	6 2	9	6	2	111	11 1	16 1	11
Dysentery - S	10	8	15	24	51	85 4	107	111	107	177	176	262	255 12
,, all the above- mentioned Diseases	214	215	221	232	248	288	327	310	299	378	363	450	326
" " Dis. of Respira- tory System	259	229	240	215	206	244	225	216	185	215	197	208	203
,, ,, Phthisis Dis, of Circula- tory System	116	138	138	131	136	115	132	150	110	117	126 119	129	119
Violent Deaths Inquest Cases Deaths in Public Institutions	64 123 328	50 109 331	36 87 327	54 86 314	49 99 299	55 97 311	40 100 321	49 113 347	56 111 333	73 134 405	50 103 373	75 128 403	54 105 342
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	54·0 65·9 44·0	67.0			71.5	66.6		72.1	61.6 73.9 52.6	74.4	62·6 73·8 53·2	73.2	59·0 69·0 51·8
Humidity of the Air Rain-fall in inches	65	76 0·31	81	76	82	84	83	81	75	77	77	82	81
Rain-fall in inches Registered Sunshine (in hours		}	28.4	1					0.08	1	30.2	0·78 32·6	31.9

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolver-hampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Meatth, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the

				Гні	RTY	FO	URI	Н	Wee	k of the Year 1890.			, 220	0.20	7.522.5				
	r the years		II Satur	the	We 23rd	ek er i Aug	nding gust	z 1890.		1.	for the		Satur	in th	e We	ook e	ndin	g 1890.	
	80		D	cath	of I	Perso	ns o	f			es for		D	eaths	of F	erso	ns o	t	
"AUSES OF DEATH.	Weeks of the 1880-89.*	, D	1	Jnde 20.		under 40.	under 60.	under 80.	s and	CAUSES OF DEATH.	Corrected Averages 34th Weeks of the 1850-89.*		l	Jnde 20.		under 40.	under 60.	under 80.	and and
	Corrected 34th Wee	ALL AGES.	0-1.	1-0.	5-20.	n pue 08	to and u	60 and up	ou Years upwards		Correcte 34th We	ALL AGES	0-1.	1-5.	5-20.	20 and ur	40 and ur	pus	80 Years unwards.
ALL CAUSES	1511.4	1629	603	292	69	148	233	235	49	Diseases of Organs of Special Sense † }	2.4	1	-	-	-	-	-	1	-
Small- Vaccinated; -	1.2	-	-	-	-	-	-	-		Diseases of Circulatory ?	00.0	110		-	_	10			
No Statement	1.9		-	-	-	-	-	-	-	System}	98.8	116	8	1	5	18	32	51	6
Measles	35.8	73 13	16	55 12	3	-	-	-		Croup	11:7	9	1	8	-	-	-	-	-
Scarlet Fever Typhus	0.3	-	-	-	-	-		_	-	Bronchitis	88°2 53°4	104 71	83 16	29 29	1	1 4	16	20 9	5
Relapsing Fever t	0.0	-	-	-	-	-	-	-	-	Pleurisy Cher Diseases of Respi-	3.7	3 16	-	6		1 2	1	1 4	
Influenza	0.0	39	12	25	-	-	-	1	-	ratory System}		-							
Whooping-cough Diphtheria	34.8	20	-	15	5	-	_	_	-	Dentition †	13.2	7	3	4	-	-	-	-	-
Simple Continued and)	1.2		-	_	_		_		_	Quinsy, Sore Throat † - Enteritis	2·3 15·5	35	21	6	2 1	3	1 2	2	
Ill-defined Fever S	14.2	11	1	_	2	6	2	_	_	Peritonitis Diseases of Liver	7·8 31·4	7 25	2	-	1	6	8	9	ī
Cholera and Chol. Diarr.	7.4	12	6	1	1	-	2	2	-	Other Dimeases of Digestive System -	82.8	28	8	-	1	-	8	6	-
Diarrhosa, Dysentery -	177.0	255	189	46	1	2	5	8	4			-		-	-		-		-1
Remittent Fever† Hydrophobia	0.8			-		-	-	-	-	Diseases of Lymphatic System & of Ductless	1.2	X	_	-	-	-	-	1	
Glanders	0.1			_	_		_ {	-	-	Glands †)									
Cowpox and Effects of \ Vaccination † }	0.0	-	-	-	-	_	-	_	-	Diseases of Urinary	34.5	87		1		6	12	17	1
Venereal Affections -	12.8	12	7	1	-	2	2	~	-	System}	010							_	_1
Erysipelas	6'7	5	1	1	-	-	1	2	-	Diseases of Generative									
Pyzmia and Septiczmia † Puerperal Fever	2·7 5·5	2 3	1			2	1	-	-	System } Accidents of Childbirth -	6'3 4'6	10	-		2	8	5		
Other Zymotic Diseases †	1.7	-	-	-	_	-	-	_		Troidents of Childbirth -				-	-	_	_		-1
mtl	4:0	_	5				-	_	-	Diseases of Locomotive }	6.4	2	-	-	2	-	-	-	-
Thrush Worms and other Para-1	4.6	5	1			-	-	-	-						-	-			-
sitical Diseases}	0.4	1	_	_		_	_	_	-	Diseases of Integumen- tary System -	4.2	8	4	-	-	~	1	8	-
Starvation, Want of	1.7		_											-					
Breast-milk †} Alcoholism	5.6	6				-	-		-	VIOLENT DEATHS.									ш
- Constitution of the cons		-	-	-	_	2	4	_	-	(Accident.)							1		
Rheumatic Fever. } Rheumatism of Heart†	7.0	6	-	-	2	1	3	-	_	Fracture and Contusion Gunshot Wound	19.5	29	2	6	5	8	8	-	
Rheumatism †	2.4	-	-	-	_	-	-			Cut, Stab Burn and Scald	0.3	. 4	-	8	1	-	-	-	-
Gout	2.6	4	-	-	-	-	1	3	-	Poison Drowning	9.4	1 3	-	-	1	1	1	-	-
Rickets † Cancer	3·5 53·8	63	2	4	-	-	- 07	- 03	-	Suffocation Otherwise	8.4	9 2	8 2	-	-	-	-	1	-
Tabes Mesenterica	46'1	55	47	7	1	5	27	23	2					_					-
Tubercular Meningitis -	27*4	31	16	9	5	1	-	-	-	(Homicide.)									
Phthisis	157'0	119	6	4	13	50	38	8	-	Murder & Manslaughter	1.9	1	-	1	-		-	-	-
Scrofula, Tuberculosis - Other Constitutional	18.0	14	10	-	2	2	-	-	-							-			
Diseases †}	4.9	7	_	-	1	2	2	2		(Suicide.) Gunshot Wound	0.4		-	_	_		_	-	
Premature Birth - : -	37'9	45	46	-			-			Cut, Stab Poison	1.8	2	-	-	-	1	-	1	
Ateleotacis †	1.6	2	2	-	-	-	-	-		Drowning Hanging	1.9 0.7 1.9 0.8	1	-	-	-	1	-	-	-
Congenital Malforma-	7.6	4	4	-	-	-	-	-	-	Otherwise	0.2	1	-	-	-	1	-	-	
Old Age	42'2	37	-	-	-	-	-	17	20						-				
Apoplexy	11000						-	-		(EXECUTION.)									
Epilepsy	39.8	42	1	1		4 2	16	17	3	Hanging	0.1	-		_	_	_	_	-	-1
Convulsions	49.7	51	47	3	1	-	-	-	-				0.1		,		,		, 1
Other Diseases of Brain }	80.0	66	14	8	5	4	13	17	5	OTHER CAUSES †	84.0	72	64	5	1		1		1
, , , , , , , , , , , , , , , , , , ,														-					

the numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population. the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

"which are so certified on returned as "vaccinated" or as "unvaccinated." which are so certified by registered medical men. When died attendant does not certify that the decoase has, or has not, been vaccinated, or when the cause of death is not correctly by a registered diener, the case is returned under the heading "no statement." ovidence at inquests is often unsufficient of compler to certify whether a violent death be the result of accident, murder, unabter, or suicide. All such cases are classed under "acciding or negligence."

Table 5. LONDON. - Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarle during the Week ending

	-		CO.53	1	-		TD1	- D-		ma mi a				ing the				
				Das	the of	1	The	DEA	THE.	Peat	the fro		140	JK IR.	luco	1		T
REGISTRATION	Enume- rated			-	ds.	-	1		1	1 0	1	1 .		ī	T .		ollio	
SUB-DISTRICTS.	Fopu-	THS.	ATE.	of Age.	aged 6	.3		Fever.	1	-con		Fev	con-	1		Casses.	Pul.	No.
SOB-DIGITION	1881.	Bra	1 DEAT	r of	BODE S.	rod-I	les.	et Fe	heris	ping	us.	ie (le col	hæa	nce.	st C	is in	10.00
		Total	Total	iniants Year	Persons Years	Small-pox	Measles	Scarlet	Diphtheria	Whooping-cough	Typhus	Enterie (or Typhoid) Fever	Simple c	Diarrhœa	Violence	Inquest	Deaths in Publ	Thoughtighed Car
							-	-					-			-		
FONDON	3,815,704		1629	603	284	-	73	16	20	39	-	- 11	-	255	51	105	-	
WEST DISTRICTS	905,947	366 595	268 325	102	43 73	-	16 12	3	1 3	5 8	-	3	-	89	6	18	75	
CENTRAL DISTRICTS	282,238	138	108	33	19	-	4 14	4	2 4	8	-	1 5	-	10	9 13	15 83	23	
EAST DISTRICTS	692,788 1,265,148	914	345 563	133	93	-	27	7	10	15	-	1	-	89	15	28	83 82	
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA-	-	-	20	-	8	-	-	-	-	-	-	-	-	2	-	-	20	
TION LONDON WEST DISTRICTS.														2		1		
St. Mary Paddington WHH G.J. &W.M. St. John Paddington H - G.J.	69888 87380	41 7	21 14	7 4	3	-		=	=	-	-	-	-	1 8	2	3	7 2	
Rensington Town Wis - W.M. & C.	120141 43010	47 17	42 13	16 2	18 2	-	2 -	-	-	-	-	1 -	-	8	-	2	11 6	
St. Peter Hammersmith - W.M. & G.J	7599 64340	8 54 94	32 45	15	3 5	1 1	3 6	1 1	1	1	-	- 2	110	6 7	-	1 4	3 8	
Fulham Web C.	80396	19	15	8	1	-	0 -	-	-	1 1	-	-		4	-	1	3 5	
Chelsea North-west WHHHHH. C.	24925 82807	23	13	3 7	3 2	-	3	-	-	-	-	-		4	-	-	7	
May Fair WW G.J. Belgrave WHHH C.	80353 59220 85496	3 22 16	26 8	2 5 1	3 2 1	-	1	-	-	-	-	-	-	2 1	4	5	18	
St. John Westminster HHH - C.	24679 29941	5 8	6 7	6	1	-	-	-	-	1 -	-	-	-	1 2	-	-	4	
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHHH - N.R.	16608	7	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS. All Souls Marylebone HHHHH W.M.	26759 14891	10	9	2	-	-	-	-	-	1		-	-	1 -	-	-	5	
All Souls Rayleone HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HH G.J. & W.M. Christchurch Marylebone HH - W.M. W.M.	24809 21118	10 27	8 6	1 4	4	-	-	-	-	-	-	-	-	1	1 -	1	2	
at. John Marylebone II	83700 33638	19 28	10 14	7	4	-	1	-	-	-	-	-	-	1	=	1	=	
Hampstead WWHHHH - N.R. & W M.	45452 39115	85 15	14 8	5 4	4	- 1	1 -	-	1 -	-	-		- 0	2 4	-		1 -	
	27729 80247	10	16	4	2 1	=	1	-	-	-	-	-	-	1 2	-	1	7	
Tottennam-Sourt WHITH N.R.	84369 17811 87487	26 14 55	13 11 27	3 18	7 8	-	1 1		1	- 1		-		3 - 3	=	1	7 2	
Upper Holloway WWwH N.R.	67948 100976	54 72	35	11 7	9 4	-	-	-	1	1 2	-	1	-	6 4	1 5	1 5	12	
Islington South-west $H\Pi$ - N.R. Islington South-east - N.R. Highbury H - N.R.	61895 52048	83	17	9	3 2	-	-	-	-	1	-	-	-	2 2	2	5 1 2		
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	15 14	10 3	3 1	4	-	-	-	-	1 -	-	-	-	-	-	-	:	
Hackney Www.ord E.L.& N.R.	37610 76911 39888	21 65 18	5 45 22	16 9	10 3	=	5 2	3	-	- 1	-	-	-	1 6 4	1 1	2	17	
CENTRAL DISTRICTS.	1									1					1	9		
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North N.R.	16681 14864 13837	4 6	6 5	2 2 2	2 3	-	-	-	-	-	-	-	-	-	-	3	2	
St. Martin-in-the-Fields HH N R. & C.	17502	7	6 8	1	1	-	-	-	-	- 1	-	-		-	1	2	2	
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmenton w.	7515	08 2	4 2	1	1	=	=	=			-	-	-	ĩ -		-	3 2	
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W N.R.	18671 10706	7 12	7 5	5 3	ī	-	-	-	1	-	-	-	-	1 1	2	2	1	
Saffron Hill H N.R. St. James Clerkenwell N.R. Amwell Clerkenwell N.R.	6583 17516 19281	7 7	1 5	3	-	-		-	-	-	-0		-	ī		-	-	
Pentonville N.R.	14778 17506	13 7 5	7 3	4	1 -	-	1	-	1 1 1	1 -	-					-	-	
City-road HHL N.R.	11541	25 10	8 5	J. 3	1		1 -	-	-	1	-	-	-	-		1	2	
Whiteeross-street - N.R. Finsbury Helborn Union Workhouse, Mitcham w.	9217 7468	10	8 2	3	1	-	ī			-	1 1.1	1 -	-	2 1	2 -	1 -	-	
St. Botolph H N.R. &E.L.	11174 7193	9 2	8	1	1 1	- 1	1	7	-	-	-	-	-	1		-	-	
St. Sepulchre H N.R. St. Bride W N.R.	5358 8396	8	14	-	1 2	1 1	-	-	1	-	-	-		2	2	3	13	
Allhallows Barking N.R. Broad Street H N.R.	18666	3 -	1	-	-	-	-	-	-	-	-	-	-	-	=	-	-	
		-		_	-			-							V			

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Work house; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishms receiving immates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the difference of the Companies of the Companies of the Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Varinatil; L. Lambeth; N. R. No River; E. L., East London; and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVEE, DIARRHEA, VIOLENCE, &c., registered in each Sub-district urday, 23rd August, 1890.

urday, 25rd August, 1890.	1	- 11			_	-			Notes and	_						_		
				Deatl	ha oc I		The	DEA				n the	Wee	k incl	ude	1		1
REGISTRATION SUB-DISTRICTS,	Enume rated Popu- lation, 1881.	Total BIRTHS.	Total DEATES.	7 [Persons aged 60 Years a upwds.	Small-pox.	Measies	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typnoid) Fever,	anuple con-	Diarrhea.	Violence.	Laquest Cases.	Deaths in Funne	Uncertified Causes of Death.
East Districts. oreditch South HL^{*} - N.R. inton New Town w - N.R. inton Old Town N.R. Regerston WH - N.R. &L.L.	22343 29937 28036 46275	15 18 21 33	4 8 7 19	- 8 5 7	2 - 1	1111	1 1 1 1	1	1111	- 1	1111	1	1111	1 1 3	1 1	1 2 - 2	2 2 8	
thnal Green North H E.L. thnal Green East WHL^* - E.L.	51157 34399 41405	37 25 44	23 17 35	10 9 14	5 - 6	111	1 2	1 -		1 1			1 1 1	6 3 5	- 1	1 1 2	14	-
italfields E.L. & N.R. ile End New Town # E.L. httechapei Church # E.L. & N.R. ddgate E.L. N.R. & E.L.	22585 15473 17490 9713 6102	10 11 10 5 4	7 13 20 1	8 4 8 1	2 2 3 -	11111	1 1		3 -			1111	1 1 1 1	1 2 3 1 -	1 -	2 -	8 13 -	11111
George's North E.L. John, St. George East W - E.L.	88747 8410	32 10	22 11	9 2	1 5	-	- 1	-	1 -	2	-	-	-	6	1	4	8	-
adwell H E.L. N.R. ateliff E.L. mehouse E.L.	10395 16107 32041	7 7 21	13 7 18	6 3 9	1		1	1 -	-	1				6	1 -	1 1	8	
ile End Old Town West H - E.L. ile End Old Town East $WwwH$ - E.L. ow L^* :E.L.	37960 67653 37074	32 50 15	14 15 19	5 7 8	2 5 3	-	2 2	1	-	1		-	-	2 1 5	1 -	3 -	1	ī
oplar WWH E.L.	64359 55077	32 35	48 23	18 11	10	E	2 -	-	-	1	-	3	-	10°	5 1	7 3	18	-
SOUTH DISTRICTS. L, & S.	13663 14999 21381 15958 21318 26672 59555 21623	7 11 18 17 12 19 39 14	6 7 12 10 9 10 27 11	1 3 5 2 8 5 12 7	1 1 - 3 1 8 2	1111111	1 8 8 - 1 - 1		-	1 1 -		111111	11:11:1	2 - 3 2 - 2 3 4	1	1	1 - 4 2 - 1 -	1
t. Olave WH 8. & L. eather Market 8. & L. t. Mary Magdalen W 8. t. James Bermondsey - 8. otherhithe WH 8. & K.	1 15669	7 8 15 32 19	21 7 12 21 13	3 2 6 8 2	3 1 - 1 4	1111	1 - 1 -	- - - 1		3 1		-		1 4 4 5	2	1 1	10 - 4	
Vaterloo-road 1st H -	15195 16351 19876 39859 45232 35332 62837 19017	12 17 9 27 25 11 38 12	8 6 16 30 23 7 23 4	3 10 11 4 12 2	1 2 9 1 - 2 -	11111111	5	1 2 -	2 1	1 - 2 -		1	11111	1 1 3 3 -	3 - 1 1	3 - 1 1	2 11 13 - 2	1 - 1 - 1
ast Battersea	54675 52587 36380 28004 13235 25553	49 48 22 23 11 19	19 28 11 15 2 12	9 8 1 8 2 6	2 3 4 1 - 8	111111	1 2 2		ī - ī	1 - 1		111111		5 1 3	1	2 -	3	1 - 1
oulwich L. & S. amberwell $W \circ L^*L^*$ - S. & L. eckham W S., L., & K. L. deorge Camberwell - L. & S.	5590 59104 71089 50810	2 44 43 51	1 30 20 20	11 6 10	1 8 6 3	1111	1 2		1	2 -	1111			5 2 4	1	2	11 1	1
Raul Deptford w K. t. Nicholas Deptford K. reenwich West H K. reenwich East WHH - K.	76752 7901 21972 24603	61 4 17 24	35 6 6 17	17 2 2 2	1 6	1 1 1	1	2 -	1	1111	1111			5 3 - 2	4	3 -	3 - 9	I - -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	3 9 26 14	1 1 7 4	1 4 8 2	3 1 1					1			-	3 - 1	ī		1	- 1.7 -
harlton HH K. Voolwich Dockyard K. Voolwich Arsenal HH K. Iumstead, West H K. Iumstead, East W K.	10930 17617 19045 14009 19241	6 8 17 16 28	5 3 10 6 11	2 1 8 3 5	3 1 2	- 1 1 1 1		1111		11111				2 1 3 1 4	11111		3	1
(spital Ships and Camp, Dartford - (inchmore Hill Hospital aterbam Asylum aterbam Asylum amstead Asylum ane Hill Asylum ane Hill Asylum	= =	11111111	1 2 6 2 1 2 5 1	11111111	2 1 - 1 1	11111111		111111111111111111111111111111111111111	11111111	1111111	1 1 1 1 1 1 1	1111111		1 - 1	A THE RESIDENCE OF THE PARTY OF		1 2 6 2 1 2 5 1	,11111111

Table 6.—LONDON.—JUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums).—Area; Population; Births and Deaths registered during the Week ending Saturday, 23rd August, 1890.

TIME	A; POPULATION; B	LICITIO	Later DE	1	Logis	1	uut						_		_		, 10	
Regis-		Area				-			The D	EATHS	regist	ered i	n the	Week	inelude		1	
tration District		Acres, inclu-	Enume-		20	Dea	ths of				Death	s from	1					88
and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	Popu- lation, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-por.	Measles.	Scarlet Ferer.	Diphtheria.	Whooping-cough,	Fever.	Diarrhose.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LON	DON - OUTER RING	370,924	950,957	748	468	12	73	-	21	3	2	17	4	110	21	32	24	-
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	9	6	4 8	- 9	-	-	-	-	10	-	2 -	1 m	-	- 1	-
87:1	Godstone (part of) * -	2754	1235	1	1	,-	-	-	-	-	-	-	-	-		-	1 -	-
38:1	Croydon Ww L - Mitcham w	20851 11697	101241 . 17982	59 12	85 10	10	. 8	-	8	-	-	1	1.	8	2	. 4	4	4 4
89:1	Wimbledon HHH -	3220	15950	11	8	1.	-	-		-	-	-		1	-	1	1	1
2 8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	24	15 5	7 2	2	w.,	-	- :			-	2	1 -	1	-	-
4	Hampton H	4573	18589	10	2	1	-	-	00	-	-	-		1	-	-	-	1
40:1	Richmond WH	2272	21302	11	10	1	2	-	1	-	1	-	-	3	1	1	-	-
2 41:1	Mortlake Bromley (pt. of) * HH	2941 15669	12331 31142	12 23	9	4	1 2	-		-	-	•	-	-	2	2		-
2	Chishrst(pt.of)* WHH	14807	15844	5	8	1 -	2 -	-	1 -	, ,	-	1			1	1 -	1	-
42:1	Bexley H - ~ ~	18487	24184	23	15	8	8	-		- 1	-	-	-	8	-	-	1	-
104.7	Dartford (Ww, pts. of)*		71000	1	1	-	. ,	-	-		-	-	-	-	-	-	1	-
124: I	Sunbury w Staines W	11055 18277	11685 12089	3	8	1	1	-	-		-		-		~	-	-	-
125:1	Hillingdon WHH -	6029	10802	10	1	1		-	,,,,	-	-		-	1		-	-	4
2 8	Uxbridge	6178 14587	3225 11598	4	2	-	-	-	-		-	-	-			-	-	-
126: 1	Hayes wHL Isleworth WHH -	7008	11528 22727	2 8	9	-4	1 2	-	3		. ==	1	4	1	-	-	-	£ - A. B.
2	Twickenham H	2477	12479	8	6	2	2	-	-	-	-	-	-	1	-	1	1 ~	-
8	Brentford HL Chiswick	4845 1840	27649 15975	17 9	18 6	6	8	-	2	to be a	-	1 ~	1	.4	1.	1	1	1
5	Acton wh	6083	22876	9	9	7	1	-				-	-	2	-	2	-	-
127:1	Harrow H	13809	12796	5.	2	2	-	-	_	- 6	-	-	-		-	-	-	100
2 3	Edgware H Willesden	6994 4383	3749 27453	2 42	1 .	1 14		-	- 1	- 5	-	1		- 6	-	- 2	,	-
4	Hendon W	8382	10484	11	10	7	c =	0_	1,2	17	-	-	-	4	1	1	1	
137:1	Bushey	9831	6621	-	2	1	1	-		-	-	-	-	-	-	-	-	-
198:1	Watford (W, pt. of) -	158 99	6391	-	-	-	• -	-	-	-	-	₹.	-	- ~	-	-	-	3
2	Barnet	54 83	10092	8	1	-	-						-		1 -	1 -	-	1
8	Finchiey HL	4683	17615	11	4	2	2	-	-	-	-	-		~	-	-	-	-
185 : 1	Hatfield (part of) * -	2000	588	-	-	-	-	-		-	-	- 1	-	-	-	-	*	
2 2 2 2 2	Hornsey H Tottenham H	3039 4642	37078 46456	45	10 83	1 19	8 5	-	1	1	-	3.	-	14	1	1	-	-
8	Edmonton Ww -	7488	23468	14	14	5	8	-	1	1	-	1	-	2		-	1	-
5	Enfield WH Waltham Abbey	12658 11017	19104 5368	15	8	2	1	-		-	-	-	-	2	1 . 1	1	1	-
6	Cheshunt	8480	7785	10	8	2	-	-	-		-	-	-	1	12	-	_	-
186:1	Stratford West Ham www H -	882 4055	38606 90347	24	23	9	2	-	-		-	-	-	7	4	4	8	-
8	East Ham ww	8296	10706	97	63	ε9 14	9	-	3 -	1 -	-	. 3	-	19	1	1	-	1 -
4 5	Leyton WwL Walthamstow H -	4872 6890	32430	43	20	8	4	-	-		1	1	1	6	-	-	6	-
187 : 1	Chigwell (part of) * H	6520 11761	28869 9669	12	20	10	2	-	1	1-	-	1	-	8	-	-	-	1
2	Epping (W, pt. of)* -		2003	-	2 -	1 _	-	-	7 1		-	-	-		1 -	1 -	-	
189:1	Romford (part of) * W	6730	8411	2	3	-	1	_	-					-	-	_	1	
2 3	Ilford Barking Town	8498 4127	7645 9203	12	8	1	1	-	-	-	-	-	-	1	1	1	-	
0	Darking 10WH	47.21	9203	12	8 {	1	2	-	-	~	~	-	1	-	-	-	-	1

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:

50:2. Epsom sub-district, except the parishes of Asnatead and Headley (pop. 1285); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1983); 41:1, Bromley sub-district, except the parishes of Cudama and Knockholt (pop. 1818); 41:3, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romferd sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 23rd August, 1890.

Area						The Da	ATH	regi	stere	d in t	he W	reek	inelu	de	
Acres,	Estimated			DEATHS	Deat	ths of			1	Death	s fro	m			Public ions.
tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhos.	Tiolsnee.	Deaths in Pul
1.	2.	3.	4.	5.	6.	7.	8.	9.	-	-		_		-	
448,334	5,758 500	19.0	5.2	2097	815	357		94	19	22	56			75	
77,410 370,924	4,421,661 1,336,839	19·2 18·3	4°9 6°1	1629 468	603 212	284 73		73	16	20	39	11	255	54	342
	Acres, including tidal water and foreshore. 1. 448,334	including tidal water and foreshore. 1. 2. 448,334 5,758 500 77,410 4,421,661	Causes C	including tidal water and foreshore. 1. 2. 3. 4.	Causes C	Causes C	Transport Tran	Causes C	Death Deat	Causes C	Causes C	Death Deat	Deaths of Deaths from De	The Acres The	Deaths of Deaths from De

OTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

	POPULATION	DA	W 100			ANNUAL	D.	EATH	FROM	PRIN DISEAS	ES.	ZYMO	
CITIMS.	(enumerated or estimated).	OF RE	TURN.	BIRTHS. Exclusive	DEATHS.	DEATH-	Small-pox;	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrheal Diseases.
LCUTTA	433,219 {	June	21 28	- `	152	18.3	2	2	-	-	_	41	21†
MBAY	773,196	July	29	255	161 378	19.3	5 2	1	9	9	5	41	31+
DRAS	398,777	23	4	-		-	-	_			-	106	32†
RIS	2,260,945	August	16	1058	906	20.8	.	7.4		0.14			
USSRLS 8 Faubourgs.)	477,288	,as	16	264	209	22.9	2	14 5	5	31*	10	13 2	181 56
STERDAM -	406,302		16	261	140	17.8	_	5	_	3	1	3	,
TTERDAM -	203,486	99	16	147	69	17.6	-	1		1	1	. 3	1
E HAGUE -	156,497	29	16	101	79	26.3	-	6	-	_	_		4
PENHAGEN -	312 387	,,	16	182	130	21.7		. 5	4	6			
CKHOLM -	236 350	37	9	147	83	18.3		~	7		2 2	-	23
RISTIANIA -	143,300	22	16	44	49	17.8	_			3	2	4	15
PETERSBURG	812,000	33	, 9	-	423	26°2	8	10	17	7	6	9	15 82
RLIN	1,526,887	59	2	920	721	24.3		9	10	16	7	5	192
MBURG(State)	575,276	33	9	60	-	=	-	-	-		-	_	102
ESDEN	269.250		9	175	135	26.1	Ti.	3	-	2*	-	-	28
BBLAU	324,400	25	16	273	275	44'3	-		1	5*	5	-	108
MICH	298,000	23	16	-	210	36.6	-	1	2	2*	3	-	85
HNA	822.176	33	16	554	317	20.0	1	2	2	3	2	3.	64
AGUE	314,425	33	16	-	153	25.4	1	9	6	-	3	4	5
DA-PRSTH -	463,017	35	. 9	. 335	261	30.0	-	1	3	. 18	-	3	60
RSTE	160,092	2)	16	74	83	27.0	-	-		2*	-	1	20
MB	418,217	July	5	198	177	23.4	-	2	-	1	1	12‡	29
EIN (10 days)	314.827	10	10	238	180	20.8	-	-	-	-	4	3	38
TICE	156,515	August	2	91	77	25.7	6	4	tion	-	-	1	14
EO	374,838	July	24	330	368	51.1	-	1	- 1	2*	3	32	140
XANDRIA -	231,396	19	24	151	194	43.6	1	-	-	2*	1	14	61
W YORK -	1,617.997	August	2		907	28'9	_	14	4	30	15	12	205
OOKLYN .	859,612	j ₂	2	-	475	28.4	-	1	4	18	11	7	104
LADELPHIA -	1,064,277	17	2	-	. 414	20.3	-	-	1	7	11	13	55
TIMORE .	500,343	33	2	-	208	21.6	-	-	-	6	2	8	39
W ORLEANS.	254,000	July	19	-	129	26*5	-	-	-	2	1	7	9
	* Including									-			

Including deaths from croup.
 Including 6 and 15 deaths respectively from cholera in Calcutta and 4 in Bombay,
 Including 9 deaths from malarial fover.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 23nd August, 1890. Inder the Superintendence of the Astronomer Royal.

egistering Electrometer. The 0.0 0.0 0.0 The thermometers in the water of the Thames are suspended at a depth of two feet below so surface, at the end of one of the jettles of the Roteing Cattle Market at Deption, and the surface at the end of the 19th of the Market, under instructions from the constitution are received by the Olerk of the Market, under instructions from the The results of all the meteorological observations are to be understood as applying to the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion during the twenty years ending 1868 for the thermometers. With the corrected mean reading and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-The average temperature of the air is that derived from a discussion of the photographic The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show of the photographic records made during the twenty years ending 1873 for the barometer, and of the dry bulb thermometer is combined the corrected mean of the readings of the maximum records made at Greenwich during the 20 years ending 1868, and that of horizontal movement The reading of the barometer increased from 29.76 in. at the beginning of the week to 29.80 by 10h. A.M. on the 17th; decreased to 29 62 in. by 9h. P.M. on the 18th; increased to 29 87 yell A.M. on the 21st; decreased to 29 90 in. by 9h. E.M. on the same day; increased by 29 in. by noon on the 2mtd; decreased to 29 52 in. by 9h. A.M. on the 2mtd; decreased to 29 52 in. by 9h. A.M. on the 2mtd; and w In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," ! the surface, at the end of one of the jettles of the Foreign Cattle Market at Deptford, a their readings are registered by the Clerk of the Market, under instructions from The record of Electricity is derived from Thomson's self-registering Electrometer, symbols employed are: -E. positive; N. negative; w. weak; m. moderate; s. strong; in a Gauge whose Zum 1.00 of the air from a discussion of the anemometric records for the 16 years ending 1875. The height of the cistern of the barometer is 159 feet above the mean level of of of Tears. Average Miles. +148 Sum +368 +230 + Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Sum 1956 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. lbs. Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. 0.0 0.0 0.0 0.0 0.0 . P. 7. 22 2.1 civil day, or from midnight to midnight. NE. & ESE. WSW. W.& S.W. WSW. P.M. E E General Direction. W. SW. & WSW. &SW. SW. & SE. NE. & NNE. W. & WSW. A.Mf. Corporation of London. SW. 68.5 Of the Water of the Thames at Deptford, 9.89 62.5 est. v. variable. High. P. 49 63.6 63.2 63.8 est, on the Grass. 44.8 0.9 of with showers in forenoon; and High-est in Sun's Rays. A brilliant flash o shortly after 1h. A.M. 2.411 fine in evening. aquals 100). morning; 14 86 84 12 83 87 GENERAL REMARKS. showers . Difference between the Air Temperature and Dew Point Temperature. 0.0 0.6 9.0 2.0 arnount of in Overcast with frequent rain Overcast. Frequent rain. 9.01 4.91 Slight 27 sartially cloudy afterwards. Overcast in morning, w The Fine; partially cloudy. cloudy; fine. Mean daily 0.9 fine day. Mean daily Of the Dew Point. 53.0 51.7 52.3 9.8 2.2 6. ì 1 61.5 59.0 8.66 14.4 4.51 14.3 2.71 14.1 Of the Air. Daily 17.2 7.66 F. 51 1.61 Registered Sunshine, 6.18 1.3 8.1 1.0 8,19 Low-53.5 est, 52.8 49.2 8 0 0.69 High-9.47 66.1 P, in 0 P. in morning; afterwards. (For explanation of symbols, see Note.) w. P. throughout PERCTRICITY. w. P. throughout in. 29-770 \$19.65 731 and 8. generally generally w. N. till th. P. afterwards. morning; w. 29. 8. N. P. 87 17 19 21 22 18 19 20 62 MONTH AND AUGUST. No. of Col. 1890. DATE. AUGUST. THURS. . MEANS TRURSDAY TURS. WED. TUEBDAT SUNDAY MOM. SUN. FRI. FRIDAT

WEEKLY RETURN

OT

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,

AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 85. 1890. Vol. LI.] WEEK ENDING SATURDAY, AUGUST 30.

[Price 11d.

General Register Office, Somerset House, 1st September, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20 7 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks end	ling -	A MARKAGANA		Weeks	ending	3
Towns.	Aug. Aug. Aug. 25		Towns.	Aug.	Aug. 16.	Aug. 23.	Aug. 30.
Birkenhead	23.8 21.8 14	•4 19 9	Liverpool	21.6	23.0	25.2	25.5
Birmingham	20.1 21.0 24	6 21.7	London	18.8			
Blackburn -	14.3 19.8 21	1 15.2	Manchester -		27.6		
Bolton -	17.6 18.9 24	8 22.5	Newcastle-on-Tyne		33.9		
Bradford -	17.6 14.3 16	9 18.6	Norwich	19.7			
Brighton -	19.4 21.5 21	9 19.8	Nottingham -	14.5	-		
Bristol -	15.0 14.1 13	0 11.2	Oldham	15.3			-0 0
Cardiff -	16.5 26.3 20	9 29 4	Plymouth	25.8			
Derby -	16.0 14.5 23	3 16.0	Portsmouth -	16.0			
Halifax -	15.9 15.9 15		Preston	28.3			
Huddersfield	14.4 19.4 22	.7 17.1	Salford	17.8			
Hull	14.4 19.5 22	.7 20.7	Sheffield	24.4			
Leeds -	19.5 21.6 20	•4 18 • 3	Sunderland -	17.6			
Leicester -	19.3 17.9 17	9 20.9	Wolverhampton -	20:6	23.8	20.6	18:1

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·1 in Norwich, 1·3 in Plymouth, and 1·7 in Bradford; from scarlet fever, 1·5 in Liverpool; from whooping-cough, 1·3 in Newcastle-upon-Tyne and in Cardiff, and 1·6 in Norwich; from "fever," 1·7 in Huddersfield; and from diarrhea, 5·1 in Birmingham, 5·7 in Leicester, 7·7 in Sheffield, 8·0 in Cardiff, 9·3 in Norwich, and 9·9 in Preston. The 39 deaths from diphtheria included 26 in London, 3 in Manchester, 2 in Liverpool, 2 in Leicester, and 2 in Newcastle-upon-Tyne. No death from small-pox was recorded in any of the twenty-eight towns.

LONDON.

In London 2614 births and 1659 deaths were registered. Allowing for increase of population, the births were 32 below, while the deaths exceeded by 190, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20.6 and 19.2 in the preceding two weeks, rose again last week to 19.6. During the past nine weeks of the current quarter the death-rate averaged 18.6 per 1000, being 1.2 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the las intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy,

A 63356.—9, 635.—9/90. Wt.

The 1659 deaths included 60 from measles, 24 from scarlet fever, 26 from diphtheria, 39 from whooping-cough, 17 from enteric fever, 180 from diarrhea and dysentery, 7 from cholera and choleraic diarrhea, and not one from smallpox, typhus, or ill-defined forms of continued fever; thus, 353 deaths were referred to these diseases, exceeding by 64 the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 6; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had declined in the preceding three weeks from 95 to 73, further fell last week to 60, which number, however, was 26 in excess of the corrected average. The fatal cases of scarlet fever, which had been 27 and 16 in the previous two weeks, increased again last week to 24, but were still 8 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1464 scarlet-fever patients at the end of last week, the numbers on the four preceding Saturdays having declined from 1505 to 1427; 174 cases were admitted during the week, against 125 and 148 in the previous two weeks. The deaths from diphtheria, which had numbered 15 and 20 in the preceding two weeks, further increased last week to 26, and exceeded the corrected average by 7. The deaths from whooping-cough, which had been 39 in each of the previous two weeks, were again 39 last week, exceeding the corrected average by 11. The deaths from diarrhaa, which had been 262 and 255 in the preceding two weeks, further declined last week to 180, but were 33 above the corrected average; 163 were of children under five years of age, and 11 of persons aged 60 years and upwards. Seven deaths from cholera or choleraic diarrhaa were recorded, corresponding with the corrected average; of these, 2 were attributed to cholera nostras, one to cholera morbus, one to cholera infantum, and 3 to choleraic diarrhaa.

The deaths referred to enteric fever, which had been 16 and 11 in the preceding two weeks, increased again last week to 17, exceeding the corrected average by 2. The Metropolitan Asylum Hospitals contained 85 cases of enteric fever, and one of typhus, on Saturday last; 16 cases of enteric fever were admitted during the week,

against 11, 12, and 13 in the preceding three weeks.

The deaths referred to diseases of the respiratory organs, which had been 208 and 203 in the previous two weeks, further declined last week to 184, but were 15

above the corrected average.

Different forms of violence caused 57 deaths, concerning all but one of which inquests were held. Of these 57 deaths, 9 were cases of suicide, one of manslaughter, and one of execution, while the remaining 46 were attributed to accident or negligence. Seven of these were caused by horses or vehicles in the streets, 2 by burns or scalds, one by poison, 9 by drowning, and 5 (including 4 of infants aged under one year) by suffocation. The death of a female, aged 52 years, which occurred in St. Bartholomew's Hospital, was certified to have been caused by the administration of chloroform for the purpose of an operation.

GREATER LONDON.

In Greater London 3458 births and 2134 deaths were registered, corresponding to annual rates of 31·3 and 19·3 per 1000 of the estimated population. In the Outer Ring 89 deaths from diarrhea, 12 from measles, and 11 from whooping-cough were recorded. The deaths from diarrhea included 38 in the district of West Ham, 10 in the sub-district of Tottenham, and 8 in the sub-district of Croydon. Of the deaths from measles, 4 occurred in the sub-district of Isleworth; and of those from diphtheria, 3 occurred in the sub-district of Leyton.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.55 ins.; the lowest reading was 29.21 ins. on Wednesday afternoon, and the highest 29.93 ins. at the end of the week. The mean temperature of the air was 54°.4, and 6°.4 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency amounting on Sunday to 7°.9, and on Saturday to 9°.5. The direction of the wind was variable, and the horizontal movement of the air averaged 10.2 miles per hour, which was 0.3 of a mile above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.67 of an inch. The duration of registered bright sunshine in the week was 36.5 hours, against 42.6 hours at Glynde Place, Lewes.

· See note on first page of this Return.

-			_			-			•																									
	SELECTO	AND BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD,	LIVERPOOL.	FOLTON.	MANCHESTER.	SALFORD.	BLACKBURE	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDIMBURGH.	GLASGOW.	DUBLIN.
	ALE.	Centil- netres.	uI :	24.	2.49	1.70	1	2.87	2.87	3.86	1.22	1	1	1.75	1	1	2.01		1	1	1 1	1		1	2.29	1	,	28.2	1	2.74	1		2.18	194
	KAINPALL	Inohes.	al S	23.	86.0	19.0		1.17	1.13		19.0		1	69.0			64.0	1		1		- 1	•	•	1.05	1	8	1.11 2		1.08	-	2 76.		0.96
AIR.	l a	.sbargiti	19D =	in in	00.	12.44	-	2.26	13.17		0 29.6	1	1	19.01	1		0 41.	1	-	-		-		,		1	1	=				83	-Teles	-
P THE	Mean	.tiednavi	E'al	21.	11 8 11	54.4 12	_	24.6 12	55.7 13		49.4	,	-		,		=		-					_	0 10.26	_		00.01 0.	-	11.6 7.	_	5 10.83		5 10.83
TURE O	-	LOWest	= =	1	7 51	_	-		55	==	49			1.12	_	_	52.1	_							21.0		_	20.0		78.4		21.2	=	_
TEMPERATURE OF THE AIR.		TOTAL STATE OF THE	Fahrenheit	20.	38.	41.2		44.5	45	0.04	88	1	1	0.17		1	45.8			•	1	1	1	1	43.9		1	40.0		45.0	1	40.4		39.1
-		Highes			.89	\$.89	1	0.99	0.89	63.5	8.19	'		63.2	1	•	1.19	1	1	1			8	1	61.0	1	1	64.0	1	28.0	1	4.89	0.89	9.39
Annual Rate per 1006,	sorresponding to the Week's Death	Trom gi asasa	D!	e	2.0	4.1	8.9	12.0	9.9	1.3	7.7	6.3	8.9	9.8	9	0.0	7 0	•	2.9	9 6	2:1	10.4	3.0	1,00	4.3	4.6	10.2	3.5	9.4	2.9	8.6	1.9	8.55	6.0
Annu	Week	IIA mor	Z R	=	20.4	9.61	19.8	20.8	17.2	2.11	18.1	2.12	50.8	13.6	16.0	8.61	0 07	2 2 2	9.46	7.92	15.2	2.63	1.41	13.3	18.6	18.3	28.5	2.03	22.2		29.4	12.3	18.4	23.8
	F	Uncertified Of De	- -	TO	54	1-	1	1 1	1	-	Н	10	23	1	1	1 1	-	1	4	4 -	-	6.1	1	1,	-	1	9	67	1	4	1	00	24	17
	.8	Deathain Public Rottution	×	1	620	364	7 1		4	4	4	32	9	0	4 1	i cr	14	2	31	21	7 7	9	9	1001	9	13	11	90	23	13	90	14	28	40
	.86	nasU tasupi	11 7		202	105	1 6	1 1	00	20 (-	13	ಾ	03		9 1	or or	0	63	24 4	* 67	67	ì	1	67	10	10	00	47	-	c ₂	a	QL,	4
lude		olence.	Λ ⋍	1	122	22	1	1 1	1	г	1	10	63	9	1 .	4 6	77 0	1	20	64 0	M 0.	1 64	1	H	-	9	63	7	67	4		00	9	60
The DEATHS registered in the Week include		.amdrrai	α	1	280	180	7 5	17	9	4 1	_	45	17	11	41 (o ;	#Q	2	34	13	1 4	20	0.1	6.1	1-	22	64	6	00	13	18	10	17	13
the W		. 1949	A =		43	17		٠,	Н	ı	1	-		1	ı	t r	٦,	4	-	200	1 1	1	63	8	1	-	4	21	Н	-1	1	1	67	00
red in	s from	Npooping-	M S		84	39	03	1 00	1	1	1	63	1	-	63	1 .	4 .	4	41	2 1 C	9 1	1	63	1	61	4	4	-	ı	4	9	67	11	00
registe	Deaths from	.airodidqi	a =	:	39	56	ı	1 1	1	ı		-	ତୀ	ŧ	ı	1	c1 1	-	ಣ	H	1 1	1	1	1	1	1	1	1	П	64	1	-	10	1
ATTE		earlet Fever.	8	1	99	24	!	1	-	1	1	၈၁	-	1	-	1 0	20	1	67	4 1	1	1	1	1	20	ı	.xc	1	67	-	1	,	1	1
the Dr		(exelon.	W L	:	100	09	-	1 67	67	Н	1	90	1	1	1	-	9	1	10		9 1	1	i	1	00	63	10	-	1		1	67	-	61
[.xod-lism	8 6	;	1	1	1 1	1	8	1	1	1	١	1	1	1	1	1	1	1	1	1	1	1	1	1	8	1	1	2	1	1	ı	1
	10 at	ersons age 60 Years sbrawqu b	ILS IC	5	647	293	47 (. w	10	16	9	32	12	16	10 I	20 0	800	0	23	12	19	9	10	47	14	25	21	22	12	15	10	100	30	60
	Deat	fants under Vear of Age.		-	1386	525	20	222	6	17	14	94	26	16	16	20	96	97	82	47	17	3 .	4	9	23	20	64	88	21	45.4	36	22	45	41
during				5	3857	1659	47	3 89	26	20	63	192	62	69	21	40	300	20	201	110	36	09	31	27	98	128	180	85	59	110	99	64	187	191
Registered during	the Week ending 80th August, 1890.	BIRTHS, DEATES	-	1	5722	2614	7 3	59	48	122	22	250	98	111	21	99	878	1.5	249	138	2 89	80	56	45	115	247	225	117	101	121	06	152	353	149
-		middle of the Year 1890.*		7:	9,715,559	4,421,661	123,659	142,952	78,780	282,248	83,406	461,865	154,844	606'775	100,871	105,049	613,463	110,840	579,437	242,509	123.558	105,163	94,253	82,034	240,515	363,799	\$32,837	218,833	156,506	162,987	117,012	271,135	530,208	353,082
				010	•	•	•		•	•	TOL	•	•			•		•	•	• •	•	•	· a	•	•	•	•	•	•	•		•	•	
	CITIES	BORUUGES.			28 TOWNS	LONDON .	BRIGHTON	PORTEMOUTH .	PLYMOUTH .	BRISTOL .	WOLVERHAMPTON	BIRMINGHAM	LEICESTER -	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	POTTOS -	MANCHESTER	SALFORD .	BLACKBURN .	PRESTON .	HUDDERSTIELD	HALIFAX .	BRADFORD .	LEEDS	SHEFFIELD .	HOLL .		O DEPTHE	CARDIEF	EDINBURGH .	GLASGOW .	DUBLIN .

TABLE 2. LONDON .- Births and Deaths Registered in the THIRTY-FIFTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Wookly Average in 10 Years 1880-89.*	1890
Total Births Males Females	2403	2358	2496	2448	2460	2538	2332	2297	2508	2425	2646·0	2614
	1220	1185	1284	1249	1211	1307	1212	1177	1255	1240	1345·6	1274
	1183	1173	1212	1199	1249	1231	1120	1120	1253	1185	1300·4	1340
TOTAL Deaths Males Females	1460	1190	1473	1292	1542	1238	1328	1339	1342	1263	1468·5	1659
	766	-632	736	693	815	663	634	710	683	660	767·9	883
	694	558	737	599	727	575	644	629	659	603	700·6	776

[•] The numbers in this column are the average weekly numbers in the thirty-fifth weeks of the ten years 1830-33, raised by 9 046 per cent, for increase of population,

						THE RESERVE TO SHAPE	(M		-			-	-
	June 7.	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug.	Aug. 9.	Aug.	Aug. 23.	Aug. 30.
TOTAL Births -	2399	2477	2516	2359	2480	2472	2346	2512	2557	2176	2527	2487	2614
Total Deaths	1393	1375	1387	1346	1481	1471	1522	1418	1633	1594	1751	1629	1659
Ages at 20—40 ,, 40—60 ,, 60—80 ,, 83 years & upwards	667 186 250 285 55	658 172 229 247 69	672 177 239 248 51	669 155 254 220 48	798 165 239 237 47	800 174 214 231 52	823 157 249 250 43	793 132 227 219 47	938 186 232 277 50	915 171 225 230 53	1019 169 263 246 54	964 148 283 255 49	911 190 265 234 59
Under 1 year 1-5 5-20	-	297 267 94	318 262 92	339 256 74	423 281 89	428 281 91	445 277 101	438 282 73	554 286 98	549 294 72	635 294 90	603 292 69	525 282 104
Deaths from Small-pox "" Measles "" Scarlet fever "" Diphtheria "" Whooping-coug "" Typhus "" Enteric fever "" SimpleContd fev "" Diarrhœa and "" Disentery "" Cholera "" all the above- mentioned Diseases "" Dis. of Respira- tory System "" Phthisis "" Dis. of Circula- tory System	215 229 138 131	100 11 24 59 - 11 15 - 221 240 138 122	99 15 19 66 1 24 2 232 215 131 120	101 7 24 52 2 9 - 51 2 248 206 136 99	100 13 21 57 6 2 85 4 288 244 115 105	99 20 22 66 - 9 - 107 4 327 225 132 108	104 12 19 56 1 111 1 310 216 150 117	94 13 20 62 - 107 1 299 185 110 107	82 19 36 45 11 177 7 878 215 147 118	95 17 22 37 - 11 176 4 363 197 126 119	80 27 15 39 - 16 1 262 10 450 208 129 113	73 16 20 39 - 11 - 255 12 426 203 119	60 24 26 39 - 17 - 180 7 853 184 167 100
Violent Deaths Inquest Cases Deaths in Public Institutions	50 109 331	36 87 327	54 86 314	49 99 299	55 97 311	40 100 321	49 113 347	56 111 333	73 134 405	50 103 373	75 128 403	54 105 343	57 105 364
TEMPERATURE OF THE AIR Mean of Highest readings Mean of Lowest readings	48.1		59·3 70·9 49·8	60.6 71.5 52.5	55.7 66.6 48.6	55·7 65·2 48·4	61·4 72·1 54·3	61.6 73.9 52.6	62·9 74·4 53·9	62.6 73.8 53.2	61·1 73·2 54·6	59·0 69·0 51·8	54·4 66·5 46·0
Humidity of the Air Rain-fall in inches Registered Sunshine (in hour	76 - 0·31 25·1	0.76	0.38	82 0·78 36·2	1.77	0.86	2.08	0.08	77 0·11 31·9	77 0·00 30·5	82 0·78 32·6	31·9	80 0·67 36·5

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F. B.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhaupton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Prestor; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

м м 3

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Thirty-fifth Week of the Year 1890

				TE	URT	Y-F	IFT	ı V	Veel	of the Year 1890					J 13 14 1				
	the		In		Wee 30th			890.			the		Satur	in the	We soth	eck e	ndin	g 189.)	
	50	-		eaths		erso	as of				s for the			eaths	of P	erro			
	Weeks of the 1880-89.*	-	1	Inde		5.	90.	80.	0	CATOMO OF DEAMI.	Averages aks of the 1880-89.*		Γ.		he A	Ses	2	-CHO.	-
CAUSES OF DEATH.	AV 1880 1880	E8.		20.		under	under	under	s and	CAUSES OF DEATH.	A AV	100		Jude:		under 4	under 6	under e	Rad
	Corrected 35th Wee	ALL AG	1.	-6.	-80.	and	gud	and	Xears upwards	(4 1 1 1 2	Corrected	L AGES	1.	- 5.	.20.	and ur	and un	an pue	X Care
	S =	1 3	-	-	5-	2	0#	66	80		58	ALL	0-1-	-	.0	8	2	3	2
ALL CAUSES	1468'5	1659 ——	525	282	104	190	265	234	59	Diseases of Organs of Special Sense †	1.3	-	-	-	-	-	-	-	-
Small- Vaccinated; -	1.0		H	Ĭ.	-	-		-		Diseases of Circulatory	97.2	100	2	1	0	20	39	00	
No Statement	2.5	H	H	-	-	-	-	-		System	97-2	100	1	1	8	20	35	26	5
Measles	33.6	60	13	45	2	-	-	-		Cronpi	9-2	10	-	10	- 1	-		-	
Scarlet Fever	31.7	24		15	9	-	_	Ū		Bronchitle	84°0 51°9	89 6.5	82	12 30	5	4	12.	26	7
Typhus Relapsing Fever †	0.0		-		-		-	-	-	Pleurisy - Other Diseases of Respi-	4/4	7	-	1	1	1	3	1	-
Influenza	0.0	1	F	-	1		-	-	Н	ratory System}	19 8	13	2	2		3	5	1	1
Whooping-cough	28.0	. 39	18	20	1	-		-		Dentition †	9.7	6	5	1	-				
Diphtheria	18.9	23		-15	10	1				Quinsy, Sore Throat † -	2:5	42	28	1 12	=	1	1	1	
Simple Continued and }	1.3					-				Peritonitis -	7:3	4	1	1 2	-	-	11	1	1
Enteric Fever	6.8	17	3		6	5	6 3		H	Other Dineases of	29.8	31 44	11	7	1	5	9	8	2
Cholers and Chol. Diarr. Diarrhes, Dysentery	146.5	180	130	83	1		5	10	1	Digestive System: -}		-		-			_		
Remittent Fevert	0.4	П	-	-	-	-	-	-	Î	Diseases of Lymphatic)									
Hydrophobia	0.3	П		-	-	-	-	-		System & of Ductless	1.5	,1			-	1		-	
Glanders	0.1	П	•	-	-	-	-	-					-					-	····
Cowpox and Effects of \ Vaccination † }	0.1	H	П	٠	-	-		-	F	Diseases of Urinary }	87.8	88	-	1	1	9	15	15	
Venereal Affections -	12.4	13	10	Н	-	1	1	1	-	7					-	_	-	_	
Erysipelas	1.9	2 2	1	1		-		1-	-	Diseases of Generative !	5.8	3				2		1	
Pysmis and Septicsmia † Puerperal Fever	5.2		H	Ľ	_	3	1			Accidents of Childbirth -	4.9	,			1	7	1	-	
Other Zymotic Diseases †	1.3	П		L	-	-		-	-				-				-	-	-
						-		-		Diseases of Locomotive	8.	11	-	L-I	4	5	2	-	-
Thrush	4.4	3	8	-		1		П		Dystom			-		-			-	-
Worms and other Para-}	0.4	-		П	-		-	-	1-	Diseases of Integumen-	5.3	8	1	_			2	4	1
									-	tary System S		-							-
Starvation, Want of Breast-milk † }	8.1	1		Н	-	Н	-	1-	-								ш		
Alcoholism	5.8	10	-	-	-	14	4	2	1	VIOLENT DEATHS.§							11		
Rheumatic Fever.								_		(ACCIDENT.) Fracture and Contusion	20.2	24	_	2	8	3	6	. 8	
Rheumatic Fever, Rheumatism of Heart†	7.4	6		-	8	-	2	-	1	Gunshot Wound Cut, Stab	0.3	1 2	-	-	-	-	-	1	-
Rheumatism †	3.4	-		-	F		-	-		Burn and Scald Poison	3.8	2	-	1	-	. 1	-	=	-
Gout Rickets †	2.7	3	2	ī			-	3		Drowning	8.8	9	-	-	5	8	3	10	-
Cancer	53.5	67	-	1	1	6	81	26	2	Suffocation Otherwise	8.7	5 2	1	-	-	-	1	-	-
Tabes Mesenterica -	41'3	53	42	6	8	1	-	1					-	-	-		-	-	-
Tubercular Meningitis -	27.8	23	8	10	5	-	-	-	-	(Homicide.)	1-								
Phthisis	157'9	167	8	7	20	73	58	8		Murder & Mauslaughter	0.8	1	1	-	-	-	-	-	-
Other Constitutional)	0.0		ŧ	-		9						-							
Diseases †}		8	1	-	-	8	1	8		(SUICIDE.) Gunshot Wound	0.5	-	1	1	-	-	-	-	
Premature Birth	38*1	41	41	-				_		Cut, Stab	0.9	2	1:	-	-	1	1	-	-
Atelectasis +	3.4	1	1	-	-	-		-	-	Drowning	1.0	8	=	-	-	1	2	- min	-
Congenital Malforma-	6.1	11	10	-	1				-	Otherwise	0.9	1 2	1 -	-	-	1	ī	-	-
Old Age	44'7	47	-		-		1	20	26				-	-	-				-
		-	1-	-	-		-	-		- (Execution.)				+					
Apoplexy	35.1	44	-	-	-	7	12	22	1	Hanging	0.0	1	-		-	-	1	-	-
Epilepsy Convulsions	6.7	4	1.	-	-	3	1	-	-		-	-	1	-	-	-		-	- 1
Other Diseases of Brain	.47'9	51	44	7		-	1	-	1	OTHER CAUSES †	75*3	91	73	12	-	-	1	4	1
and Nervous System	77.9	91	13	18	4	11	14	24	7			1	1)				
# Mb		43					-			en waara 1880.80 raiged hy t			-		C	-			-

^{*} The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cont. for increase of population that was a ten years average and not be averaged in a was a tental transfer of the second of the seco

A 63356.-9.

I As the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

I Those casesof small-pox only are returned as "raccinated" or as "unvaccinated" which are so certified by registered medical men. When the cause of death is not cirtified by a registered predictioner, the case is returned under the heading "no statement".

TABLE 5. LONDON. --POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARL during the Week endi

ABLE 5. LONDON.—POPULATIO													darii	ng tl	ie W	7 eek	endi
							The	DEA	THE	ragist	erad i	in the	Wa	k inc	!ude		-
	Enume-			Deat	hs of					Dest	hs fr	om:		1			0
REGISTRATION	Popu-	He.	E F	or 1	d 60 wds.			12		ngn		(or	er.			1	Deaths in Public Institutions.
SUB-DISTRICTS.	lation,	HERE	DEAT	under of Age.	aged a upw	OK.	Ш	Fever.	ria.	1g-e0		(OF	con-	38.	1	Cases.	in I
	1881.	tal B	Total I	Aniants Year o	Persons Years	Small-por	Measles.	Scarlet 1	Diphtheria	Whooping-cou	Typhus	Enteria (ol Typhoid)	Simple tinued	Diarrhoa	Violence.	Inquest	ths
		Total	To	Ania X	Per	Sm	Me	Sca	Dip	Wh	E.	End	il il	Dia	- Aic	Ing	Des
LONDON · ·	3,815,704	2614	1659	525	293		60	24	26	39	-	17	-	180	57	105	361
WEST DISTRICTS	669,838	388	285	83	60		12	1	4	3	H	2	-	26	11	16	75
North Districts'	905,947	574 170	323 109	100	69	~	10	9	8	7 4.		1		39	5	16	76 32
CENTRAL DISTRICTS	692,738	537 945	860 854	117	50	-	14 23	8	.8	6 19	-	6	1	46 61	18	31	82 71
MUTROPOLITAN HOSPITALS AND	1,965,148	330	28	194	89	2	20	9,	.0	-	1-1	-	-	-	-	-	28
ASYLUMS OUTSIDE REGISTRA- TION LONDON - WEST DISTRICTS.		-		-				miss		-			-		-	_	
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69898 87880	57 10	26 11	8	7 2	-	1	-	ī	-	-	-	1	3	2	3 -	6
Rensington Town Ww - W.M. & C.	190141 48010	63 12	59 7	9	16	-	2	=	-	-	-	-	, ,	5	-	3	20
St. Peter Hammersmith - W.M. & G.J. St. Paul Hammersmith H W.M. & G.J.	7599 64340 42900	54 67	38 42	1 20 14	8	-	2 3		i	1		1	1.1.0	5 4	3	3 2	4 7
Obeline Couth WHR D.	80398 24925	17 16	10 14	2	2 8	-	ī	-	-	-	-	-	-		1 -	1	1 4
Chelsea North-east	32807 30353	16	10	7	8	-	2 -	-	1	-		-	-	3	1	1	6
Belgrave WHHH - C.	59220 35496	17 15 10	23 10	3	4	-	-	ī	1	1 -	-	-		2	3	2	11 - 4
St. James Westminster WHH N.R. & G.J.	24679 29941	18 9	10	2 2 4	8	-	1	-	-	-	7-	-	-	- 2	-	î	2 9
St. Anne Soho HHHHHHHH - N.R. NORTH DISTRICTS.	16608													H			
	26759 148#1	12	18 4 7	2	1	-	- 2	-	11		į.		1 1	1	-	1	7
All Souls Marylebone HHHHH W.M. Cavendish Square HHHHH — W.M. Rectory Marylebone WH G.J. & W.M. 5t. Mary Maryleb. HHH G.J. & W.M. Christehureh Marylebone HH — W.M. 8t. John Marylebone H — W.M.	24809 21118 38700	12 27 21	3 8	1	1 4	Ī	=	-	3	-		-		3	-		8 -
St. John Marylebone H W.M. Hampstead WwHHHH - N.R. & W M.	\$363 3 45452	12 81	9 29	9	4	-	-	4	3	1 1	-	-	-	3	-	1	9
Regent's Park Paneras H - W.M.	89115 27729	20 15	11 12	2	5 2	-	-	-	ī			-	-	1	-	-	8
Gray's Inn Lane HHH Somers Town H N.R.	30247 84369	20 28 10	10	3 2 2	4 - 2	=	-	-	-	-	-	-	-	2	- 1	1	3
Kentish Town W N.R.	17811 87437	47	85 40	11 10	6	-	-	-	-	1	3	-	-	4 7	1	3	3, 9
Upper Holloway WWWH - N.R. Islington South-west HH - N.R. Islington South-east - N.R.	67946 100976 61825	58 45	24 18	12 7	1	-	=	1	i	1	-	-	-	4	1 -	1	-
Highbury H N.R. Stoke Newington H N.R.	52048 32781	83 18	11 9	5 2	3	-	-	-		-	-	-	-	1.4 1	-	-	-
Stamford Hill West Hackney H	9277 37610	7 28 60	21 35	7	4 6	-	2 5	-	-	-	-	-	- 4	1	ī	2	2
South Hackney E.L.	76911 89883	21	14	6.	2	-	-	4 -	5	1	1	1	-	3 2	1 1	8	15
CENTRAL DISTRICTS. St. George Bloomsbury - N.R. St. Glles South WH N.R.	16681	18	8 10	1 2	1	:	-	-1	-	-	-	-	-		-	-	_
St. Giles South WH N.R. St. Giles North H N.R. St. Martin-in-the-Fields HH N R. & C.	14884 18887 17509	H H	6	-	4	-	-	1-1	-	-	-	1	-	-,	1 1	=	1
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515 8559	8 2	1 7	1 2	ī		=	-	-	- 1	-	-	-	1	1 1 1	-	3 - 6
Strand Union Workhouse, Edmenton w.	18671	H 10	14	5	2	1	-	-	1		-	-	-	9 9	-	1	2 6
St. Andrew Eastern W N.R.	10706 6533 17516	10	5 1 5	1 1 2	1 -	-		-	-	1 -	-	-	-	1 -	-		1 -
Pentonville N.R.	19281 14773	10	8 7	1 5	2 2	-	ī	-	-	1 -	-	=	-	1		1	
Old-street H N.R. City-road HHL N.R.	17505 11541 18628	15 26	4 4	2 2	1	1 . 1	~	-	-	-	-	-	-	-		ī	1
Whiteeross-street N.R.	9217 7468	II.	8 2	1 ~	-	-		-	-	-	7 1	-	-	ī	-	1 1 1	1 -
Helborn Union Workhouse, Micham w. St. Botolph H - N.R. E.L.		6	2	1	-	-	-	-	-	-	-	-	-	-		1	
St. Sepulchre H N.R. St. Bride W N.B.	7198 5358 8396	3	11 8	1 - 1	-	-	=	-	ī	-	-	-	-	-	8	2	9
Alihaliows Barking N.R. Broad Street H N.R.	13586 5652	4	2	=	-	-	-	-	-	-	-	-	-	1	1	l	-
	1		1)		1	3	1	1	1								

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, nam.ly: W—Workhouse Establishm receiving immates from other Districts than that in which it stands. The Koman capitals signify the Water Companies which supply the different-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Cheisea; S. Southwark and Vaushall; L. Lambeth; N. R. M. River: E. L., East Loudon; and K., the Kent Company.

EVER, DIFHTHERIA, WHOOFING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district aturday, 30th August, 1890.

turday, 30th August, 1890.		-									-8						1011	-01
							Th	e DE	ATHS	regis	ered	in the	Wee	k in	olude			
DECEMBER AND ADDRESS OF THE PARTY OF THE PAR	Enume-			Deat	ths of	1				Deat	hs fro	m				-	1	1
REGISTRATION SUE-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & npwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterio (or Typhoid) Fever,	Simple con-	Diarribas.	Violence,	Inquest Cares.	Deaths in Public	Uncertified Causes of Death.
EAST DISTRICTS. horeditch South HL^* - N.R. oxton New Town w - N.R. oxton Old Town N.R. tsgerston WH - N.R. * E.L.	22343 29937 28036 48275	18 26 26 47	15 12 13 20	3 4 5 9	1 6 1 3	1 1 1 1	1	1111	1	1111	70 70 70 70	1	1 1 1	3 1 3 5	2	3	1 4 5	11 12
ethnal Green North H - E.L. ethnal Green South - E.L. ethnal Green East WHL^* - E.L.	51157 34899 41405	23 30 27	19 13 17	8 7 3	1 - 5	8,	ī	1	1 -	1 1 1		2.	1 1 1	3	ī	2	- 6	-
pitalfields E.L. & N.R. lle End New Town W E.L. hitzehapel Church H E.L. & N.R. odman's Fields E.L. ldgate E.L. N.R. & E.L.	22585 15478 17490 9713 6102	15 16 7 8 2	11 13 27 1 2	3 1 1	1 1 4 -	11111	1	1 1 -	1 -	11111	11,141	- 1	1111	2 2 1 -	11311	3 1	7 24 -	- 1111
George's North E.L. John, St. George East W - E.L.	88747 8410	89 5	24 11	8	2	-2	1 3		-	-	-	-		4	ī	2.	5	-
adwell H E.L. & N.R. atcliff E.L. mehouse E.L.	10395 16107 32041	5 9 23	14 6 13	4 - 4	-		1	1	-	- 2	1 1 1			2 - 2	2 1 -	3 1 1	:8	
ile End Old Town West H - E.L. ile End Old Town East WwwH- E.L.	37960 67653	22 55	19 81	8 12	3	-	-3	2	1 -	2	-	2 -		2 2	- 2	3	7	-
$W L^*$ 'E.L. comicy www. H E.L. oplar WWH E.L.	37074 64359 55077	21 54 49	20 43 16	11 12 3	1 5 6	1,11	1		111	1		1 1 -	111	4 6 3	4 2	8 8	1 12 2	
SOUTH DISTRICTS. L. & S. Saviour Southwark W H L. & S. Saviour Southwark - S. sub-road - S. & L. The sub-road W H S. & L. Dadon-road H L L. & S. Peter Walworth W S. & L. Mary Newington - L. & S. Olson W H. South Sub-road W S. & L. A S. & L. Olson W H. Sub-road W S. & L.	13663 14999 21381 15953 21318 26672 59555 21623	9 8 14 11 19 18 36	6 6 7 11 9 13 17	1 2 2 6 2 5 4	1 1 1 4 1 -	1111111	1 1 1 1 1 1	1111111	1	2	11111111	HILLIER	11111111	1 1 1 2 1	2 1	2 2 - 1 - 1	1 - 2 1	111111
Olare WH S. & L. Sather Market S. & L. Mary Magdalen W - S. James Bermondsey - S. Otherhithe WH S. & K.	11958 16300 15659 54682 36024	10 10 12 42 28	14 6 6 18 17	3 2 2 6 6	2 1 3 1	11111	11111		2	1 2 2	11111	1 -	11111	1 1 3	1 2	2 - 2 - 2	9 -	11111
aterioo-road ist H - = L. & S. aterioo-road 2nd H - L. & S. mbeth Church ist H - L. & S. ambeth Church 2nd WW - L. & S. ambeth Church 2nd WW - L. & S. anington ist - S. & L. into so L. & S. anington W L. & S. anington W L. & S. anington W L. & S. anington W L. & S.	15195 18351 19876 39859 45282 35382 62837 19017	12 13 13 26 34 19 35 21	6 7 23 25 12 13 20 6	2 4 6 6 4 3 8 1	1 1 3 8 8 5 1	THILL	1 8 1 - 2	a Littinia	1 1 1 1 1 2 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	1 - 1	1 1 1 1 1 1 1	1 1 1 3 -	1	1 1 2 - 1 - 1 -	1 12 8	1111111
st Battersea	54675 52587 86380 28004 18285 25553	48 57 24 28 3 25	37 29 12 16 6 14	21 8 4 5 3 8	12 8 1 1 1 3	111111	1 4 2 -	1	Title in	4 - 2	11111	2 1 1 1 1	111111	821222	1 2 -	2 2 - 2	8 1 1 1	1 -
lwich — I. & S. mberwell	5590 59104 71089 50810	1 44 56 45	8 27 22 20	1 5 10 10	1 8 1 2		2 -			11911				4 3 4	1	1 2 - 1	13	
Paul Deptford *v $ K $, Nicholas Deptford $ K $, cenwich West $ H $ $ K $, senwich East $ WHH $ $ K $.	76752 7901 21972 24608	55 13 22	35 1 2 16	11 1 6	6 - 3	11111	- 1	8 -	3	1	1111	1		5 1 1 2	1	1 - 2	6 - 4	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	3 11 17 21	2 4 11 11	- 2 7 3	1 2 2	1.1.1	3 2		1111	-			-	1 - 1	1111	1 - 1	1	1111
arlton H/I K. polwich Dockyard K. polwich Arsenal HH K. unstead, West H K. unstead, East W K.	10939 17617 19043 14009 19241	6 12 18 9 21	3 9 5 2 14	2 8 1 5	2 3 1 - 3	11111	11111	11111	11111	1	iliii.			1	1 -	1 -	1 1 2	1
apital Ships and Camp, Dartford nehmore Hill Hospital	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2345365	1.1111111111111111111111111111111111111	11133-211-			1111111111		1111111	ed en en en en en en en en en en en en en	11111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		11111111		23345385-	

Table 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums' Area; Population; Births and Deaths registered during the Week ending Saturday, 30th August, 186

ARE	CA; POPULATION; E	BIRTHS	and D	EATHS	s regi	stere	d dur	ing t	he W	Veek	endir	ig Sa	turda	ıy, 30	Oth A	Lugus	it, 18
Regis-		Area				1			The D	EATH	regist	tered i	n the	Week	inelude		
tration		in Acres,	Enume-		1	Des	ths of	1			Death	s fron	a .				1
District and	REGISTRATION	inclu-	rated	HS.	HS.	-	8.5	1	1	1	1	de dp.	1	1	1		oli e
Sub-	SUB-DISTRICTS.	Tidal	Popu-	BIRTHS	DEATHS	under of Age.	ged			VOF.		Whooping-cough				Inquest Cases.	Deaths in Publications.
district		Water	1881.	BI		g ni	8 %	-Pox		t Fe	100 le	ping	١.	108B.	.00	C	s in
Num- bers.		Fore-				Infants Year	Persons aged Years & upw	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	hoop	Fever.	Diarrhosa	Violence.	due	ath
	,	shore.				H.	Per	S	A	200	ā	<u> </u>	3	in in	- v	In	a T
LOI	NDON - OUTER RING	370,924	950,957	844	475	192	85	-	12	6	4	11	3	89	13	29	33
										-			-				
30:1	Carshalton wL -	12228	21118	10	5	1	-	-	-	-	-	-	-			- · -	-
2 07 - 1	Epsom (part of) WwH	9971	10710	7	5	1	2		•	-							3
37:1	Godstone (part of) * -	2754	1235	2	1		4				_		-	. 8		1	
2	Croydon Ww L -	20851 11697	101241 17982	55 9	85	14	1		1 -	1 -		1 -	170	-		1	1
89:1	Wimbledon HHH -	3220	15950	12		2	8	-	L	H	-		-		H-I	-	-
2	Kingston WHH	8549	36354	19	13	4	3	-	1-1		-	-	-1	2	-	-	5
8	Esher (part of) * - Hampton H	6601 4578	9221 13539	3 9	3		1	-	- /	7				-			
40:1	Richmond WH	2272	21302	20	8	2	. 1				_	. 1		1		-	2
2	Mortlake	2941	12331	9	11	4	8	-	-	-		, 1		. 2	2	2	-
41;1	Bromley (pt. of) * HH	15669	81142	24	6	1	1	-	1	-,	-	1		1	-	-	-
2	Chishrst(pt.of)* WHH	14507	15844	9	4		8		-		-		-	П	-	-	1
42;1	Bexley H Dartford (Ww, pts. of)*	18487	24184	24	13	6	4 2		_	_	_	_	-	1		-	-
124:1	Sunbury w	11055	11688	ક	3		2	_	_	_		-	-	7	_	_	
2	Staines W	13277	12089	14	2	-		-	-	-	-		-		1	1	-
125:1	Hillingdon WHH -	6029	10802	8	5	3		-					-		-		- 1 in
3 8	Uxbridge	6178 T	3225 11528	13	8	4	1		-		-	1	~	2	-		-
126: 1	Hayes wHL Isleworth WHH -	7008	22727	14	13		2	_	4		_			3			1
2	Twickenham H-	2477	12479	3	5	2	2	-	1	-	-	-	-	: <u>-</u>	-	1	-
8	Brentford HL	4345	27649	21	13	6	8	-	- 1	-	-	-	-	- 8	-	-	-
5	Chiswick	1340 6088	18975 22876	13 22	6 13	3 8	2 2	_	1	1	-	-		6		1	-
127:1	Harrow H	13809	12796	8	4	1	1	-	-	-	-	-	-	-	1	1	
2	Edgware H	6994	8749	3	1	-	-	-	-	-	-	-	-	1 -	-	-	-
8	Willesden Hendon W	4383 8382	37453 10484	36	9	. 6	3 2	_		-		1		3	1	3	-
137:1	Bushey	9881	6621	8	1	-		-		_	-						1
2	Watford (W, pt. of) -			-		-,	-	-		-	-	-	-	-	-	-	-
128 : 1	South Min.ms	15199	6391	7	Б	1		-	-		-	-	-	-	1	1	-
3	Barnet Finehley HL	51 88 4683	10092 17615	18	8	-	2	-	-		-			-		-	1
135 3 1	Hatfield (part of) * -	3696	888	-				_	_	-		-	-				
128 2 1	Hornsey H	3039	37078	20	17	5	2	-	_	-		_		2	1	1	
2	Tottenham H	4642	46456	66	42	19	4	-	1	2	-	1	1	10	1	6	1
8	Edmonton Ww ! - Enfield WH	7488 12653	23468 19104	16 23	11 14	10	2 2	-	-		-	-	1	2 2	-	1	3
5	Waltham Abbey	11017	5368	1	2		-	-	-	-	-	-	-	-	2	2	-
100.3	Cheshunt	8480	7735	14	5	- 2	1	-	1	-	-	-	-	-	-		-
186:1	Stratford West Ham wwH -	882 4055	38606 90347	35 123	22 55	11 25	4	-	2	1	1	-	-	8	8	8	8
8	East Ham ww	3296	10706	16	11	9	7		-	1 -	-	2	-	16	-	2	-
5	Leyton WwL	4372 6590	32430 99869	49	35	10	6	-	-	-	3	1	1	6	-	-	9 .
187:1	Walthamstow H - Chigwell (part of) * H	6520	28869 3669	41 8	2 2	12	1	-	-	-	-	-	-	- 4	-	-	-
3	Epping (W, pt. of)	- 1	2000	8 -	3 -	-	1 -	-	-	-	-	-				-	
189:1	Romford (part of) * W	6730	3411	1	-	-	-	-	-	-		173	-	-	-	_	-
2 8	Ilford Barking Town	8498 4127	7645	4	2	2	-	-		-	-	-	-	-	-	-	-
	THE LOWE	4721	9203	9	9 1	5	3	-	- 1.			7		1	-	-	-

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow \$0:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1285); 37:1, the parishes of Waringham and Farley in Godstone S district; 39:3, Esher sub-district, except the parish of Esher (pop. 1283); 41:1, Bromley sub-district, except the parish of Godstone S Knockholt (pop. 1283); 41:2, Chislehurst sub-district, except the parish of Orthaw in Hatá sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in \$2:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 30th August, 1890.

	Area			L RATE			The D	HTAS	s reg	stere	d in	the W	7eek	inelu	de	
GREATER	Acres, including	Estimated Population,	per 100	0 living.	DEATHS	Deat	ths of				Death	as fro	m			ublio
LONDON.	tidal water and foreshore.	middle of 1890.	From	From Diseases in Cols. 8-14.	CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	nall-p	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	iarrhæs.	folance.	Deaths in Put
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	1	-	116.	>	
ATER LONDON	448,334	5,758,500	19.3	4.3	2134	717	378		72	30	30	50		269	70	39
THE RING .	77,410 370,924	4,421,661 1,536,839	19°6 18°5	4·1 4·9	1659 475	525 192	293 85	1 1	60 12	24	26	39	17	180	57 13	36

ore.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 00.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

	POPULATION	DATE			ANNUAL	Di	BATH!	FROM	r Prin	ES.	ZYMO	
CITIMS.	(enumerated or estimated).	OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
CUTTA	433,219 {	July 5		172	20.7	3		1 -	-	_	64	25†
EBAY	773,196	August 5	360	177 368	21.3	2 3	1	- 0	P	9	60	49†
DRAB	398,777	July 4	381	278	36.2	_	2	9	,	9	109 79	40†
t18	2,260.945	August 23	1098	881	20.3	1	22	10				38
J88ELS	477,288	. 23	230	261	28.5	2	5	10	27*	9	12	178
8 Faubourgs.)	406,302	23	277			4	U		-	1	7	66
TERDAM -	203,486	, 23	137	144 89	18.7	-	-	-	4	1	1	1
HAGUE -	156,497	, 23	100	73	24.1		2	-	-	. 3	~	2
ENHAGEN .	312,387	23					5	-	-	-	-	**
CKHOLM -	236.350	10	228 139	122	20*4	-	11	1	5	2	~	26
- AIMAITSIS	143,300	80	51	83 48	18°3	-		6	3*	3	1	19
PETERSBURG		"	91		17:4	- h.	-		ŏ			14
	842,000	" 16	.	396	24.2	8	10	16	8	4	13	72
LIN	1,526,887	9	977	809	27.2	-	11	5	20	14	4	269
MBURG(State)	575,276	,, 16	439	247	22.4	-	9	1	6*	3	4	48
SDEM	269,250	., 16	147	139	26°8	-	1	1	3*	-	-	36
SKAU	324,400	,, 23	198	304	48.9	~	-	3	5*	4	2	125
aich	298,000	,, 23	-	215	37°5	-	1	4	3*	2		95
GUR	822,176	,, 23	480	398	25°2	-	5	2	1	-	3	89
DA-PESTH -	314,425	23	-	143	23.7	1	1	1	3	2	3	17
ESTE -	463,017 160,092	, 16	311	266	29.9	-	-	8	14	1	3	54
		23	88	93	30.5	-	-	-	1	-	-	21
ER	418,217	July 12	207	190	25.0	-	5	- 1 w	3	1	91	26
III (10 days)	314,827	, 20	242	167	29.3	1	1	-	2	3	1	34
ICE	156,515	August 9	106	76	25.3	9	-		1		4	14
BO	374,838	July 31	329	365	50*6	-	-	-	-	1	25	143
KANDRIA -	. 231,396	. , 31	159	183	41:1	-	₩,		1	-	14	48
YORK -	1,617,997	August 9		815	26.0	_	10	4	12	18	8	168
OKTAR =	859,612	9	-	442	23.2	-	. 4	4	6	13	2	114
LADELPHIA -	1,064,277	, 9	-	430	21.1	-	-	3	5	10	23	66
TIMORE -	500,343	, 9 Tules 9	-	208	21.6	-	- 1	-	5	1	11	22
W ORLEANS -	254,000 {	July 26 August 2	-	133 116	27·3 23·8	-	-	-	2	2	2 3	5 13
			1]!							

Including deaths from croup.
 Including 10 and 26 deaths respectively from cholera in Calcutta and 4 in Bombay,
 Malarial fever.

TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 30th August, 1899. Under the Superintendence of the Astronomer Royal.]

0.0 0.2 0.7 0.0 0.0 0.4 The average temperature of the air is that derived from a discussion of the photographic The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jettless of the Foreign Cattle Market at Deption, and their readings are registered by the Clerk of the Market, under instructions from the The results of all the meteorological observations are to be understood as applying to the The reading of the barometer decreased from 29.58 in. at the beginning of the week to 29.21 in. The height of the cistern of the barometer is 159 feet above the mean level of the sea; n eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air column 8. The mean daily dew point temperature and degree of humidity are deduced bulb thermometers by Glaisher's Hygro-In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and 27 records made at Greenwich during the 20 years ending 1868, and that of horizontal movement Corporation of London.
The record of Biectricity is derived from Thomson's self-registering Electrometer.
The record of Electricity is derived from Thomson's self-registering Electrometer.
symbols employed are — P. positive; N. negative; w. week; m. moderate; s. sirong; in a Gauge whose Sum 8 300.C 80.0 of the air from a discussion of the anemometric records for the 16 years ending 1875. Average of 16 Years. Miles. 14 +192 74 61 Sum + 51 Robinson's. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. of the Air Torizontal Sum 1717 The numbers in column 29, derived from the Campbell-Stokes correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. bs. 0.0 from the mean daily values of the dry and wet Great-6.1 civil day, or from midnight to midnight. NNW. & NNE. NNW. & N. N. & NNE. SW. & S. P.M. WSW. General Direction. 20 ż क्ष .. "lower," than the average. SW. & WSW. WSW. &SW. NNW. & N. S.W. SW. A.M. 19 Of the Water of the Thames at Deptford. 9.09 Low-18 TEMPERATURE. High-62.2 8.19 6.09 8.09 9.09 ₩.19 est. Lowest on the Grass. 35.6 33.2 39.1 Of Radiation, 16 Cloudless and very fine till 10h. A.M.; variable announts of cloud during day; generally cloudless at might. light cloud till even-ning at Sh. P.M.; a Overcast in early morning; cloudy and generally ne till evening; variable with lightning at night Fine in morning; thunderstorms in afternoon, with avy rain; fine and generally cloudless at night. Fine and partially cloudy till afternoon; overcast afterwards, with occasional slight rain. High-est in Sun's Rays. 123.6 123.9 127.3 23.0 22.2 7.61 nne till evening; "variable with lightning A shower of rain at 104h. P.M. 80 14 83 88 GENERAL REMARKS. fine amounts of light Difference between the Air Temperature and Dew Point 6.81 17.4 6.81 7.91 est. 12 Mean daily value. 7.3 7.9 Overeast in ear Of the Dew Point. Mean daily 1.87 De-parture from Average 6 TEMPERATURE. Horizon, 54.4 Registered Sun above 00 Sum 8.96 13.9 14.0 13.8 Of the Air. Daily 20.2 1.97 8.91 78.8 22.0 Sunshine, in hours. Sum 36.2 8.9 3.0 1.8 0.9 42.5 8.4 est. 2 2.99 63.5 68.3 £.89 est. P. in morning; and v. P. after-(For explanation of symbols, see Note.) ELECTRICITY. 29.463 29.623 29.247 264 Mean 29.887 w. P. generally w. P. generally s. N. and s. evening; w. 1 w. P. wards. W. P. of the 30 30 26 28 24 MONTH AND AUGUST. 1890. AUGUST. WEDNESDAY THUES. . MEANS TUESDAY TUES. MONDAY SUNDAY FRIDAY SUN. FBI.

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 36. 1890. Vol. LI.] WEEK ENDING SATURDAY, SEPTEMBER 6.

General Register Office, Somerset House, 8th September, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.0 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

1 2 Garage		Weeks	ending		Weeks ending
Towns.	Aug. 16.		Aug. 30.	Sept. 6.	Towns. Aug. Aug. Aug. Sept. 16. 23. 30. 6.
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Derby -	21·8 21·0 19·8 18·9 14·3 21·5 13·7 26·3 14·5	14·4 24·6 21·1 24·8 16·9 21·9 13·0 20·9 23·3	19·9 21·7 15·2 22·5 18·6 19·8 11·2 29·4 16·0 13·3	18·4 17·6 20·3 22·1 14·1 14·8 14·1 22·7 15·5	Liverpool - 23·0 25·2 25·5 22·2 London - 20·6 19·2 19·6 17·9 Manchester - 27·6 26·8 27·6 30·4 Newcastle-on-Tyne 33·9 29·4 35·2 22·1 Norwich - 20·8 24·6 20·8 22·4 Nottingham - 11·9 15·3 12·6 13·6 Oldham - 12·8 16·3 16·3 14·6 Plymouth - 17·2 18·5 17·2 15·9 Portsmouth - 20·8 19·3 20·1 24·1 Preston - 43·6 31·7 29·7 25·3 Salford - 18·7 27·5 23·7 22·4
Hull	19·5 21·6	22·7 20·4	20·7 18·3	21·9 18·5 20·3	Sheffield 25·2 27·6 28·2 18·3 Sunderland - 22·5 24·4 22·5 24·8 Wolverhampton - 23·8 20·6 18·1 28·1

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.0 in Manchester; from scarlet fever, 1.4 in Liverpool and in Manchester; from whooping-cough, 1.0 in Derby, in Preston, and in Newcastle-upon-Tyne, 1.6 in Norwich, and 1.7 in Huddersfield; from "fever," 1.0 in Leicester and in Preston, and 1.1 in Portsmouth; and from diarrhaa, 4.1 in Leicester, 4.2 in Brighton, 4.4 in Wolverhampton and in Hull, 5.3 in Cardiff, 6.4 in Preston, and 6.6 in Portsmouth. The 29 deaths from diphtheria included 16 in London, 5 in Manchester, and 2 in Salford. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2469 BIRTHS and 1514 DEATHS were registered. Allowing for increase of population, the births were 247 below, while the deaths exceeded by 86, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19.2 and 19.6 in the preceding two weeks, declined last week to 17.9. During the past ten weeks of the current quarter the death-rate averaged 18.5 per 1000, being 1.0 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 63356.-10, 635,-9/90. Wt.

The 1514 deaths included 56 from measles, 18 from scarlet fever, 16 from diphtheria, 46 from whooping-cough, 18 from enteric fever, one from an ill-defined form of continued fever, 128 from diarrhœa and dysentery, 5 from cholera and choleraic diarrhœa, and not one from small-pox or from typhus; thus, 288 deaths were referred to these diseases, exceeding by 20 the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 6; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had declined in the preceding four weeks from 95 to 60, further fell last week to 56, but exceeded the corrected average by 35. cases of scarlet fever, which had numbered 27, 16, and 24 in the previous three weeks, declined again last week to 18, and were 17 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1503 scarletfever patients at the end of last week, the numbers on the preceding two Saturdays having been 1427 and 1464; 206 cases were admitted during the week, against numbers increasing from 118 to 174 in the preceding four weeks. The deaths from diphtheria, which had increased in the previous three weeks from 15 to 26, declined again last week to 16, being 4 below the corrected average. The deaths from whooping-cough, which had been 39 in each of the preceding three weeks, increased last week to 46, exceeding the corrected average by 12. The 128 deaths referred to diarrhaa showed a further considerable decline from recent weekly numbers, and were one below the corrected average; 118 were of children under five years of age. Five deaths from cholera or choleraic diarrhea were recorded, of which 2 were attributed to English cholera, 2 to cholera infantum, and one to choleraic diarrhaa.

The deaths from enteric fever, which had been 11 and 17 in the previous two weeks, numbered 18 last week, corresponding with the corrected average. The Metropolitan Asylum Hospitals contained 110 cases of enteric fever, and one of typhus, on Saturday last; 36 cases of enteric fever were admitted during the week,

against numbers rising from 11 to 16 in the previous four weeks.

The deaths referred to diseases of the respiratory organs, which had declined in the preceding three weeks from 208 to 184, further fell last week to 180, but

exceeded the corrected average by 15.

Different forms of violence caused 54 deaths, concerning all but 3 of which inquests were held. Of these 54 deaths, 4 were cases of suicide, while the remaining 50 were attributed to accident or negligence. Eight of these were caused by horses or vehicles in the streets, 3 by burns or scalds, one by poison, 6 by drowning, and 12 (including 9 of infants aged under one year) by suffocation. The death of a male, aged 51 years, which occurred in the London Hospital, was referred, after inquest, to failure of heart from the effects of chloroform administered for the purpose of an operation.

GREATER LONDON.

In Greater London 3276 births and 1884 deaths were registered, corresponding to annual rates of 29.7 and 17.1 per 1000 of the estimated population. In the Outer Ring 53 deaths were referred to diarrhea, 13 to whooping-cough, and 9 each to measles, diphtheria, and "fever." The deaths from diarrhea included 6 in Leyton, 5 in Walthamstow, and 5 in Enfield sub-districts. Of the deaths from "fever," 3 occurred in West Ham sub-district, where also 3 of the deaths from whooping-cough occurred.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during August will be found on pages 369-370.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30·12 ins.; the lowest reading was 29·93 ins. at the beginning of the week, and the highest 30·26 ins. at the end of the week. The mean temperature of the air was 58°·4, and 1°·4 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below

the average on Sunday, Monday, and Tuesday, but showed an excess on each of the other days of the week The direction of the wind was variable, and the horizontal movement of the air averaged 7.5 miles per hour, which was 3.3 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 26.8 hours, against 32.6 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of August 1890; according to their returns 185,011,729 gallons or 840,593 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 242 gallons (110.0 decalitres), rather more than a ton by weight, to each house, and (assuming 7.8 persons to each house) 31.0 gallons (14.1 decalitres) to each person, against 30.3 gallons during August 1889.

Companies.	Number of supp	Houses, &c.	Average daily s in Ga	Supply of Water
	AUGUST. 1889.	AUGUST. 1890.	AUGUST. 1889.	AUGUST. 1890.
TOTAL SUPPLY	754,464	765,577	178,075,702	185,011,729
From Lea and from other Sources .	• 363,624 • 390,840	368,934 396,643	88,548,191 89,527,511	93,429,690 91,582,039
THAMES, Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	35,070 71,971 111,370 55,617 89,596	35,557 73,318 112,291 56,353 91,415	9,593,104 15,760,082 25,406,846 17,725,159 20,064,000	10,392,265 16,810,860 26,624,354 19,703,565 19,898,646
LEA AND OTHER SOURCES.				20,000,020
New River East London	152,754 165,581 72,505	153,579 168,794 74,270	33,171,000 43,597,343 12,759,168	34,710,000 43,969,041 12,902,998

Note.—The Return for August 1890, as compared with that for the corresponding month of 1889, shows an increase of 11,113 houses, and of 6,936,027 gallons of water supplied daily.

Analysis of Metropolitan Water Supply during August.

Water-analysis Laboratory, The Yews, Reigate 30th August, 1890.

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of August.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham and Dr. Mills of Glasgow.

SIR,

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.6, Tottenham 0.7, New River 0.9, Colne Valley 1.6, East London 2.1, Southwark 2.9, Chelsea 3.5, West Middlesex 4.4, Grand Junction 4.6, and Lambeth 4.8.

The water obtained from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies suffered greatly from heavy rains and consequent floods, the proportion of organic matter observed in recent months having been much increased in every case, and more than doubled in the supplies of the West Middlesex and Grand Junction Companies. Nevertheless all these waters were efficiently filtered and were being delivered in a

clear and bright condition at the time the samples were drawn.

The water obtained chiefly from the River Lea by the New River and East London Companies was also efficiently filtered, and the New River Company's supply, practically, maintained the high degree of organic purity which it has of late exhibited. The water supplied by the East London Company, though better than any of the Thames-derived waters, was considerably inferior to that sent out by the same Company in July.

The deep-well waters of the Kent and Coine Valley Companies and of the Tottenham Local Board of Health were, as usual, of excellent quality for dietetic use. These waters were clear and bright without filtration. The Coine Valley Company's supply was softened before delivery, and thus rendered suitable for waching.

and thus rendered suitable for washing.

Seen through a stratum two feet deep, the Kent, Coine Valley, and Tottenham waters were clear and colourless; the New River Company's water clear and nearly colourless; the East London and Southwark waters clear and very pale yellow; whilst the remaining waters (Thames)

were clear and pale yellow. A comparison of these tints with those observed last month shows that all the river waters, except the Southwark Company's supply, were deepened in colour by the rains, whilst the deep-well waters were unaffected

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports of the water supplied to that city "its physical characters are satisfactory and its chemical qualities are superior to those

" of last month's sample."

Dr. Mills, F.R.S. of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little " suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsen	August 1st, Cab Rank, Horse Guards, Whitehall.	18.3	23.02	•175	.033	0	125	158	1.9	18.0
	West Middlesex -	August 1st, Stand-pipe, Riding House-	16.4	25.60	*224	.036	0	158	194	1.9	19.7
	Southwark	August 1st, Cab Rank, Bricklayers Arms, Old Kent-road.	17.4	28.80	·i49	025	0	151	•176	1.9	20.3
Inner Circle.	Grand Junction -	August 1st, Cab Rank, Uxbridge-road, near Marble Arch.	18.5	28*36	•225	.044	0	186	*230	1.9	20.0
Inne	Lambeth	August 1st, Cab Rank, St. George's- road, Southwark.	18.9	27.14	250	•032	0	159	•191	1.9	19.1
I	LEA. New River	August 1st, Cab Rank, Tottenham Court-road.	17.9	29.96	•039	•017	0	•228	*245	2.0	20.0
	East London -	August 1st, Fire Brigade Station, Commercial-road, E.	18.2	28.68	105	.050	0	.176	·196	2.0	21.2
lo.	DEEP WELLS.	August 1st, Mill Lane, Deptford.	13.4	42.36	*024	*011	0	•531	'544	2.6	30.3
Oirc	Colne Valley -	August 9th, Bushey.	-	17.66	.070	1026	0.48	479	*545	2.3	7.0
Outer Circle	Tottenham	August 2nd, Tottenham.		40.60	•030	*014	.070	*008	*080	3.0	22°0
	poration of Birming- im*	August 11th, 64, Nelson-street.	17.2	26.96	•127	.024	.001	246	271	2.0	13.5
Cor	poration of Glasgow+-	{ August 15th, Loch Katrine Water. }	14.9	2.4	•100	.014	0	.003	.017	•75	•63
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
 Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is be to read thus:—the Chelsea Company's water, collected on the 1st August, at the Horse Guards cab-rank, had a temperature of 18° 3 C.; 100,000 lbs. of it contained 23.02 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained 175 lb. of carbon and 033 lb. of nitrogen. The above quantity of water also contained no ammonia, and 125 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 158 lb. The above weight of water also contained 1.9 lbs. of chlorine; and 18.0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

* See note on first page of this Return.

	CITTER	BORUUGIIS.	Cols.	. 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL.	Riberranias	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD,	LIVERPOOL.	BOLTON.	MANCHESTER.	OLDHAM	BLACKBURM.	PRESTON.	HUDDERSFIELD.	HALIPAX.	BRADFORD.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	DUBLIK.
	RAINFALL.	In Centi- metres.	24.	0.58	00.0	00.0	3 1	00.0	20.0		- 1	0.43	1	1	₹2.0	8	,		1		,		1.12	1 1	19.0	1.83	2.31	1	1.14	3.21	92.0
	RAIN	fn Inches.	23.	0.53	00.0	00.0		00.0	0.00	,	,	21.0	i	1	0.53	1			'	1	1		97.0	1 1	₩5.0	0.72	. 78.0	1	0.45	1.38	0.30
Deot roomadoa	Mean.	Centigrade.	22.	13.67	14.67	13.78	00 44	14.72	13.79		1	13.17	1	ı	14.33	,	,			1			13.33	1 1	13.11	14.00	13.00	1	14.33	14.33	14.94
	N	.tisdrenda?	21.	9.99		56.8	1	58.5	54.9		1	22.4	1	1	27.8	,	1	f 1	•	1	,	ŧ	0.99	1 1	55.6		55.5		57.8 1	90	58.6
		Fahrenheit,	20.	35.0	37.1	43.0		42.0	35.0		1	0.98	1	1	43.5		•			,	,		11.0	1 1	0.98	0.15	. 0.89	1	38.0 %	8.98	37.7
20 20 10	.1	Fahr Higher	19.	2.22	2.24	72.0	,	72.0	2.07		1	8.82		1	68.3				,	ı	1		. ₹. 89	1 1	0.52	•	0.49		8.69	0.89	
Angual Rate mare	onding he	From Diseases in Cols. 6-12.	18.	3.9	e	oc %	9.9	3.3	0.2	5.0	5.1	4.8	3.1	10	00 3	0.0	6.9	2 20	- ST	8.4	∞ o	7.3	_	0 1.	5.1	80.00	3.5	6.9	1.5		9.1
Anmuy	corresponding to the Week's Death	From All	17.	19.0	6.41	14.8	7.77	15.9	14.1	9.41	20.3	13.6	12.2	18.4	25.5	7.77	30.4	9.41	8.07	25.3	15.1	18.1	14.1	28.32	6.17	8.47	1.66	25.7	16.2	9.17	19.5
	1	Uncertified	16.	22	Ħ		1	1 0	1 12	00	000	H	1	1	1-		10 1		- 63		1	ေ	-	1 1	- 61	1 1	-	1	6	26	
and Summer of the		ni entas () sildu T noitutiten!	15.	633	391	10 10	4	н с	n o	16	9	9	-	e a	45	J.	42	- T2	-	(p)	67	oo .	4	14	4 00	GI.	00	4	21	39	38
	.8	Inquest Case	14.	6 231	86	e1 e4	4	61 1				00 		03	. 16	- -	17	- 4	P ~	. 23	-	1	4	13	1 -7	9 00	בע	· 00	a		9
	ann an	Vlolence.	. 13.	126	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			0				-	21		14	1	00	₹ 1	. 6.	1 61	-	1	-	9 9	1 0	3 00	-		-	00	es .
20 000	400	.amtraid	1. 12.	6 425	128	18 19	1	00 0	- CO	96	3 21	16	01	-	530		27	30	000	13	~			17		7	20	2	4	7.3	9
	OID III	Ferer.	10. 11	82 4	9 18	1 -	4 60		- 1	-) I		63		6 2	1	-		- ·	- 52	3	-		03	1 0	3 1	-			,0	
070	Deaths from	Diphtheria.	9.	30 8	16 4	1 1	1-4	1	1 1		1	1		1		1	7.0	61	1 -	- · ·	1	1	1	-	1 1	1 1		_		2 12	-
EATHS, BILL MANAGEORGICOR.	Deaths from	Searlet Fever.	00	19	18	1 0	1 1	1 1	- 1		5 1	-	ı	1	16	-	30	e3 1	1 1		1	1	1	H 2	2) -		1 1	1	- 6	. 4	
nin ii	The DEA	Meanles.	7.	83	26	1 1	1	H (21 -		F I		m	-	00	8	10			1 1	1	1	63	1	e 1		1	1		1	
(CHI)		.xoq-llam2	8.		1	1 1	1	1	1 1				1	1	1	1	1	1	1	1 1	1	1		1	1	1 1		1	-	8	ı
, DEA	hs of	Persons aged 60 Years and upwards.	5.	639	201	E S	27 27	63	17	- 6	101	90	10	9	53	11	28	20		7 0	10	9	11	25	121	2 -	200	2 00	9.0	500	38
IKTHE	Deat	lofants under lo tas f f .sgA	4.	1177	459	œ e	14	30	16	2 6	9 6	200	10	11	86.2	14	63	31	15	10 12	01	*	20	67	96	44	2 6	30	3.6	92	56
IG -	during	L'EATES.	65	3549	1514	35.0	41	2.4	68	3 120	09	19	80	37	261	49	221	104	14	2 5	93	30	65	129	711	2 12	909	51.0	2.4	220	130
TARDE E.	Registered during the Week ending	BINTER, PEATE	6,1	5599	2460	19	9 20	24	126	2 4	602	197	53	23	331	7.4	226	143	75 8	00	41	989	124	236	218	100	190	87	196	361	169
	95	to the middle of the Year 1890.*	1.	9,715,559	4,421,661	123,650	142,952	78,780	•1		461,865	944 909	_			115,846	- 879,437		146,716	123,555	94,253	82,034	- 240,515	\$65,799	632,857	186.506	169 987	117,012	1 971 15K		
		AND AND BORUTGHS.	Cols.	28 TOWES	TOWDOM .	BRIGHTON	PORTEMOUTH	PLYMOUTH .	BRISTOL	WOLVERHAMFIUM	Вівміменай	LEICEBTER .	Transfer .	BIRKENHEAD .	LIVERPOOL .	BOLTON	MANCHESTER .	SALFORD .	OLDHAM	BLACKBURN PRESTON	PIELD	HALIFAX .	BRADFORD		HILL	SUNDERLAND	NEWCASTLE .	CARDIFF -	Whine the same	GLABGOW	

TABLE 2. LONDON .- Births and Doaths Registered in the THIRTY-SIXTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Correcte i Weekly Average in 10 Years 1830-89.**	1890
TOTAL Births	2463	2513	2566	2434	2574	2330	2557	2619	2475	2373	2715.7	2469
Males	1232	1281	1264	1214	1334	1164	1318	1324	1234	1215	1371.8	1268
Females .	1231	1232	1302	1220	1210	1100	1209	1295	1221	1130	1343 9	1201
TOTAL Deaths	1391	1229	1322	1257	1529	1221	1312	1349	1316	1170	1428 · 1	1514
Males	748	653	711	653	767	614	684	659	670	605	737.6	772
Females .	643	576	611	604	762	607	628	690	616	565	690.5	742

[•] The numbers in this column are the average weekly numbers in the thirty-sixth weeks of the ten years 1880-89, raised by 9°046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LUNDON.—I	JIMI II.	, 22.	41110,	and	WED I E	OMODE	707 11	- 0110	226500	A 11116	LEGIN	W EE	K.13 +
	June 14.	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug.	Aug. 9.	Aug.	Aug. 23.		Sept.
TOTAL Births	2477	2516	2359	2480	2472	2346	2512	2557	2176	2527	2487	2614	2469
TOTAL Deaths	1375	1.987	1346	1481	1471	1522	1418	1683	1594	1751	1629	1659	1514
Ages at Death 0-20 years - 20-40 ,, - 40-60 ,, - 60-80 , - 80 years & upwards	658 172 229 247 69	672 177 239 248 51	669 155 254 220 48	798 165 239 237 47	800 174 214 231 52	823 157 249 250 43	793 132 227 219 47	938 186 232 277 50	915 171 225 230 53	1019 169 263 246 54	964 148 233 255 49	911 190 265 234 59	796 177 240 245 56
" {Under 1 year - 1-5 5-20	297 267 94	318 262 92	339 256 74	423 281 89	428 281 91	445 277 101	438 282 73	554 286 98	549 294 72	635 294 90	603 292 6 9	525 282 104	459 247 90
Deaths from Small-pox " Measles - " Scarlet fever " Diphtheria - " Whooping-cough " Typhus - " Enteric fever " Simple Conta fever " Diarrhoea and)	1	99 15 19 66 - 6	101 7 24 52 2 9	100 13 21 57 - 6 2	99 20 22 66 - 9	104 12 19 56 - 6 1	94 13 20 62 - 2	82 19 36 45 -	95 17 22 37 -	80 27 15 39 - 16 1	73 16 20 39 - 11	- 60 24 26 39 - 17	56 18 16 46 - 18
Dysentery -	15	24	. 2	85	107	111	107	177	176	262	255 12	180	128
" " all the above- mentioned Diseases	221	232	248	283	327	310	299	378	363	450	426	353	288
,, Dis. of Respira- tory System } ,, Phthisis - ,, Dis. of Circula- tory System }	240 138 122	215 131 120	206 136 99	244 115 105	225 132 108	216 150 117	185 110 107	215 147 118	197 126 119	208 129 113	203 119 116	184 167 100	180 139 120
Violent Deaths Inquest Cases Deaths in Public Institutions	36 87 327	54 86 314	49 99 299	55 97 311	40 100 321	49 113 347	56 111 333	73 134 405	50 103 373	75 128 403	54 105 348	57 105 364	54 98 3 91
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	56.6 67.9 48.1	59.3 70.9 49.8	60.6 71.5 52.5	55· 7 66· 6 48· 6	55·7 65·2 48·4	61·4 72·1 54·3	61.6 73.9 52.6	62·9 74·4 53·9	62·6 73·8 53·2	61·1 73·2 54·6	59·0 69 0 51·8	54·4 66·5 46·0	58·4 71·0 48·4
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	81 0·76 28·4	76 0·38 29·3	82 0·78 36·2	84 1·77 23·5	83 0·86 17·9	81 2·08 21·7	75 0·08 44·6	77 0·11 31·9	77 0·00 30·5	82 0·78 32·6	81 1·00 31·9	80 0·67 36·5	83 0·00 26·8

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lipplncott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and R. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Mealth, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

- " 6: 15" A

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Thirty-sixth Week of the Year 1890.

				TH	IRT	Y-SI	XTI	X W	/ eek	of the Year 1890.									
	or the	3.	Ir	the	We 8th S	ek ei sep t e	ndina	189	n		for the 10 years	81	aturd	n the	We th Se	ek e	ndin	g 1° 90,	
	65		D	eath	of l	Perso	ons o	1	;		the 10		· Do		of P		ns of		
CAUSES OF DEATH.	Averages eks of the 1880-89.*	£8.	Ţ	Jude 20.	r	under 40.	under 60.	under 80.	and 8.	CAUSES OF DEATH.	Averages eks of the 1 1830-89.*	10	τ	Inde:	r	under 40.	under 60.	under 80.	. e
200	Softh Weel	ALL AGS	0-1.	1-0.	180.	2) and un	to and du	n duil un	upwards		Corrected 36th Wee	ALL AGES	0-1.	1-5.	,-20.	and	40 and un	and	unward
	15-	1	1	1 -	1-	1.04	1 +	1	1-		100	1 4	0		- 1	<u>\$</u>	#	3	700
ALL CAUSES	1428.1	1514	459	247	90	177	240	245	_	Diseases of Organs of Special Sense † }	2.7	3	_	1	2	-	-	-	
Small- (Vaccinated)	1.3		-	-	-	-	-	-	-	Diseases of Circulatory \	100.5	120	2	1	10	18	37	45	7
pox No Statement	2.2	-	-	-	-	-	-	-		System /		-		-		-			_
Measles -	20.8	56 18	12	11	6	-	-	1	-	Croup	10.9	10	1	7	2	-	-	-	
Scarlet Fever	11	10	-	-	-		-	_		Bronchitis	82°8 48°3	94 54	28 13	16 20	1 8 1	6	8 3	34	4
Relapsing Fever †	0.0	-	-	-	-	-	-	-	-	Pleurisy Other Diseases of Respi-)	19.4	17	3	2	1	2	3	5	-
Influenza	0.0	-	-	-	-	-	-	-	-	ratory System}		-1		~		4		3	2
Whooping-cough	33.6	16	21	22	8	-	-	-	-	Dentition †	9.1	7	2	5		-	-	_	-
Diphtheria Simple Continued and \	1.2	1		-	_	-	1			Quinsy, Sore Throat † -	1.9	81	17	9	1	1	2	1	-
Ill-defined Fever - 5	18.0	18		2	5					Peritonitis Diseases of Liver	7.3	26	-	-	3	6	14	6	
Enteric Fever Cholera and Chol. Diarr.	3.3	5	3	2		10	1	-		Other Diseases of Digestive System -	80.3	26	9	1	1	1	3	8	3
Diarrhea, Dysentery -	129.0	128	89	29	1	-	4	3	2			_	-	_			_	_	
Remittent Fevert	0.8	H			-	-	-	-	-	Diseases of Lymphatic	1.7	-	_						
Hydrophobia	0.0				-	-	-	-	-	System & of Ductless Glands † -	* '								
	0.0			H		-	Ī	-	-	Discours		-		-					
Cowpox and Effects of Vaccination †}					-	-		-	-	Diseases of Urinary }	32.9	80	-	2	1	5	11	8	3
Venereal Affections -	4'9	17 3	14	-	-	1	1	1	-				-					-	
Pysmia and Septicsmia †	3.0	1			_	1	1	-	-	Diseases of Generative	4.8	4	1			1	2	-	
Puerperal Fever	3.6	6		-	-	5	1	-	-	Accidents of Childbirth -	3.3	6	-	-	-	6		-	-
Other Zymotic Diseases †	1.9	2	1	1	-	-	-	-	-	Discourse of Years									
Thrush	3.6	3	8	H	14	-		_		Diseases of Locomotive } System † }	7.4	13	2	3	4	3	3	-	
Worms and other Para-)	0.3				_			-		Discount of the second				_					-
sitical Diseases}				_	_					Diseases of Integumen- tary System}	4.8	9	1	1	-	1	1	8	1
Starvation, Want of	2.5	2	1																
Breast-milk † 5				H				1		VIOLENT DEATHS.									
Alcoholism	4.9	12		_		3	9	1		(ACCIDENT.)									
Rheumatic Fever,	6.4	9		1	1	3	8	1		Fracture and Contusion Gunshot Wound	19.5	24	1	3	6	2	7	4	1
Rheumatism of Heart† } Rheumatism †	3.2	3		Ĥ	ì	1	1	1		Cut, Stab	0.8	-	-	-	-	-	-	-	
Gout	3.8	4	-			-		4		Burn and Scald Poison	0.9	8		2	1	1	-		
Rickets†	8.3	6	2	4	-	-	-			Drowning	8·7 9·7	6 12	9	-	3	2 -	3	1	
Cancer	52.2	63	-	-	I	6	25	27	1	Otherwise	3.5	3	3	-	-	_	-	-	
Tabes Mesenterica - Tubercular Meningitis -	41.3	20	33	10	2	2	1	1		(Homicide,)									
Phthisis	158'8	139	6	4	12	62	49	6		Murder & Manslaughter	1.3			_	-	-	-	_	H
Scrofula, Tuberculosis -	17:3	22	8	6	3	4	1	F	-				-	_	-		-		
Other Constitutional Diseases † }	7'4	13	-	-	1	8	4	4		(SUICIDE.)									
			-	-		-	-			Gunshot Wound Cut, Stab	0.7		-	-	-	3	-	-	· Mary
Premature Birth	36.9	47	47.	-	+	: -:		E		Poison	1.9 1.4 1.9	1			-	-	-	1	- 1
Atelectasis + Congenital Malforman	2.0	1	1		+					Hanging	1·9 1·9 0·7	ī		=	-	-	-		=
Congenital Malforms-	6.8	11	3	1	T	-	-	-						_	_		-	_	
Old Age	48.2	45	-	-	+	-	1	26	18	(Evrorence)									
Apoplery -	39*5	44	-	_	1	5	13	20	6	(EXECUTION.) Hanging	0.0			_	_	_	-		_
Epilepsy	. 6.9	6	.4	1	-	3		2	-				_		-	-	-		-
Convulsions -	49'6	38	33	5	-		-		-	OTHER CAUSES †	64.7	73	64	4	-	1	1	1	2
Other Diseases of Brain }	74'3	82	14	12	9	8	13	24	2	0111110110111									
9 Miles and 1 miles									-		40			,					'

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9°048 per cent. for increase of population, the average for the given years 1880-89 has been used.

Find unouer, the case is returned under the heading "no statement."

I the evidence at inquests is often insulticint to enable the Coroner to certify whether a violent death be the result of accident, murder, manufact, all such cases are classed under "accident or negligenee."

As the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

1 Those caseof small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the desired the description of the description

TABLE 5. LONDON. -FORESTION; BIRTHS; DEATHS from all Causes, and from Small-Pox, Measles, Scare during the Week endir

				and the same			The	DEA	THEF	ogiste	pred i	n the	Wee	K IDO	ude		-
	Enume-			Deat	hs of	-	Îş			Dest	hs fro	m	,				
REGISTRATION	rated Popu-	IP.	H.P.	1 1 1 9.	aged 60					ugh,		(or i) Ferer.	i.				Public
SUB-DISTRICTS.	lation.	Вскине	DEATER	ander of Age.	age k up	OX:		Fever.	ria.	no9-51		(OF FC	con-	9.		Cases.	in P
	1881	Total B	Total I	Xear o	Persons Years	Small-pox	Measles.	Scarlet 1	Diphtheria	Whooping	Typhus.	Enteria (o Typhoid)	Simple tinued	Diarrhaa	Violence.	Inquest	eaths in Pu
The state of the s		1	To	, ut	Per	2000	Me	See	Dig	W	T	HH	t ti	Di	Vi	Ing	De
FONDON · -	3,815,701	2469	1514	459	301	-	56	18	16	46	-	18	1	128	54	98	391
WEST DISTRICTS	66 143*	325	259	56	68	-	8		.8 -	4 -	-	2	-	20	8	17	81
NORTH DISTRICTS -	905,947 282,238	150	90 90	102	72	-	10	7 2	9	8	-	5	-	28	16	20 8	36 36
CENTRAL DISTRICTS -	697,738	497	323	106	55	-	11	2	1	7	-,	6	-	28	12	31	79
SOUTH DISTRICTS	1,265,148	905	477	177	79		27	5	2	23		4	1	45	13	22	91
ASTIUES OUTSIDE REGISTRA-		!	21		10		-	2			-	-	-	-	-	-	24
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	8988× 87880	37 8	16 14	4 2	4 3	-	-	Ē	ī	-	-	-	-	3 -	2	2 2	2
Kensington Town Wis - W.M. & C. Brompton H - W.M. & C.	190141 43010	75 7	48 14	9 2	15 4	7	1 -	-	Ξ,	-	-	1 -	-	2 -	-	1 2	17
St. Peter Hammersmith - W.M. & G.J. St. Paul Hammersmith H. W.M. & G.J.	#599 #4340	33 55	5 43 35	2 13 13	9 6	100	2 3	i	1	1	1 1 1	1	- 1	6 4	1 2	1 2	5 13
Chalana Couth HHH D.	42900 90398 24925	14 15	9 23	- 3	4	-	0		-	-		-	-	ī	2 -	2 9	1 16
Chelsea North-east	\$3×07 \$95.53	18	6	1 -	3	-		-	-	2	-	-	-	7	-	1	4
Reigrave WHHH C.	89220 35445 24-79	14 19 5	18 7	4	1		1 -	-	-	1	7 -	-	-	1 1 1	1 -	1	9
st. Margaret Westminster H - C. 4t. James Westminster WHH N.R. & G.J. St. Anne Soho HHEHEH N.R.	14848 54841	7 5	5 2	2	ĩ		1 -	-	-	-	-	-	-	1 -	-	ĩ	1.7
NORTH DISTRICTS.	2%7.59	10	4 2	-	1		-	-		-	-1	-		-		-	:4
avendish Square HEHH Rectory Marylebone #H G.J. & W.M. St. Mary Maryleb. FEH G.J. & W.M. Caristchurch Marylebene #H W.M. W.M.	2444 <u>9</u> 24449 21118	2 14 21	3 6	1 3	2 2	7.	-	-	-	=	-	-		-	-	-	1 2
St. John Marylebous 22	837#0 3763 8	27 26	12	5 2	2	;=	Ξ	-	Ξ	- 1	Į.	-		1 -	1 8	3	
Hampstead WwHEER - N.R. & W M.	45452	36 17	18	4 2	6 2	1.	1	[4	1	2	-1		٠	1	2		6
Mattanham court on HHH N. R. & W. M.	2915 29729 84217	18	13	2	2	1.	-		2	-	-	-	H	1	- 3	2 - 3	10 -
Somers Town H - N.R. Camden Town WH - N.R.	84359 17311	16 10 63	11 43	5	2 5 5		-	-		3	7	-		1 4	1 :	1	9
Kentish Town W	87437 67946 19097 6	51 65	35 27	15 15 11	9	-	7	_ 1		-		,-		7	1,	-	10
Islington South-west H - N.R. Islington South-east - N.R. Highbury H - N.R.	61835 52048	36 31	20	7 5	6	-	-	1			-	-		5	1	1	2
Stamford Hill E.L.	22741 0277	16 12 22	5 12	1	1 2 2	-	-	-		-	-	-	٥	-	-	-	-
West Hackney H Hackney WwwwH South Hackney E.L. N.R. E.L.	\$7610 76911 89483	52 80	55	12 5	7	-	1	2	6	3	-	8	-	1 4 1	3	8 2	92
CENTRAL PROTRICTS. St. George Bloomabery - N.R.	16681	9	2	-	1		-	1 -		_				-	_		_
St. Giles South WH N.R. St. Giles North H - N.R. N.R. St. Martin-in-the-Field RHN R. 2 C.	14864 18887 17509	3	3 2	1	1	-	-	-	,	-		-	-	-	1 -	2	2
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515 8559	8 2 1	3	1	3	-	1-1-	-	-	-	-	-	-	Ī	-	1	3 - 3
Strand Union Workhames, Adminion w. St. Geothe-Martyr EERHHHH N.R.	18671 10706	16	11	3 1	-	-	-	-	-	- 2	-	-			-	-	8
8t. Andrew Eastern " - N.R. 8affron Hill - N.R. 8t. James Clerkenweil - N.R. Amwell Clerkenweil - N.R. N.R. N.R.	6533 17516	10	7 2	-	2	-	-	1"	-	-	-	-	-	1	=	2	1
Pentonville N.R.	19281 14773	13	1 8	3 2	1	-	=	1	=	1	=	1	-	3	=	-	-
Goswell-street Gid-street H Gid-street H Gity-road HHL N.R.	17506 11541 18628	7 4 23	3 7	1.	-		-	-	-	=	-	1	-	-	=	-	-
Whiteeross-street - N.R.	9217 7468	7	3	1	1	=	=	1	=	-	-	-:	-	-	-	1	3 -
Helborn Union Workhouse, Mitcham w.	11174	8	3	-1	1	-	-	-	-	-	-	-		Ξ.	1.	1.	-
Cripplegate - N.R. St. Sepulchre H - N.R. St. Bride W - N.E. Allhallows Barking - N.E.	7193 5358	8	17	i.	12	-		=	1	-	-	-	-	-	=	- 0	-
St. Bride W - N.R. Allhallows Barking - N.R.	8396 1\$666	3 2	11 -	1	1		1 -	-	1 -	1	-	1	-	1	8	3	17

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—We house; H—Hospita'; L—L'earlie Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment-districts from other Dustricts than that in which it stands. The Koman capitals signify the Wasse Companies which supply the different from the Companies of the Koman Capitals of the Wasse Companies which supply the different E. L., Rast London; and K., the Kent Company.

GEVER, DIPHTIERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district Saturday, 6th September, 1890.

Saturday, 6th September, 1890.			of the last sales where the la	TOTAL CONTRACTOR OF THE PARTY O														discountry and
							The	DEA	THE	regist	ored i	n the	Wae	k inc	ude			
	Coume.			Deat	pa ct					Death	s from	n					1	
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Year of Age.	Years a upwds.	wall-pox.	Measica.	Souriet Fever.	Diphtheria.	Whooping-cough.	l'yphus.	Fyphoid) Fever.	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Rubin	Uncertified Causes of Death.
EAST DISTRICTS. Shoreditch South HL* - N.R. Histon New Town w - N.R. Hoston Old Town - N.R. Haggeston WH - N.R. & E.L.	22343 29937 28036 46275	13 22 16 34	9 17 14 21	2 4 0 4	3 8 1 5	2717	1 -	i	1.1.1.1	2 -	1 1 1 1 .	1111	1 1 1 1	2 3 4 2	2 - 2	2 1 5	2 3 7	- 1 1 1 1
Rethnal Green North H - E.L. Bethnal Green East $WHL*$ - E.L.	51157 34399 41405	48 18 84	18 12 26	10 3 11	2 2 4	1 1 1	2	- 1 -	ī.			-		1 2 -	1	ī -	9	1 1 1
Spitalfields E.L. & N.R. Whitechanel Church H E.L. & N.R. Coodman's Fields E.L. Udgate - E.L. N.R. & E.L.	22585 15473 17490 9713 6102	15 13 13 2 6	3 15 23 4 5	2 6 5 2 -	1 8 2 1	1111	2 -	1	11111	11111	1 1 1 1 1	3	11111	1	2	3 4 1 1	7 17 -	1 1 1 1
St. George's, North E.L. t. John, St. George East W - E.L.	88747 8410	29	13	4 2	3	- 1	-	-	1.1	-	-	-	-	3		1	5	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10393 16107 82041	4 5 23	14 11 10	6 2 4	- 1 -	1 1 1	1	1 1 1	1 1 1	1 -	1 1 1	1	-	1 1	1 1 1	* * *	9 -	- 1
Wile End Old Town West H - E.L. Vile End Old Town East WwwH- E.L.	37980 67653	35 47	12 31	5 11	1 7	-	1.	1 3	-	1	-	-	-	3	2	3	3	-
Row L* E.L. Bromley wwwH E.L. Poplar WWH E.L.	37074 64359 55077	15 60 35	13 35 13	7 6 2	3 12 1		1		1 1 1	1 1 1			-	.1	1	5 8	1 16 -	1
Christehureh Southwark WH L, & S. S. Saviour Southwark - S. S. Saviour Southwark - S. S. Eat-road WH - S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Lrinity Newington - S. & L. St. Peter Walworth S. L. & S.	13663 14999 21351 15958 21318 26672 59555 21623	13 12 8 13 12 13 42 25	6 2 9 11 4 12 21 6	3 2 2 5 4 2 14 3	2 - 1 - 2 4 -	111111	1 2 1 2 - 1 2	1111111	1111111	1 2 1 2 - 2 -		1 1 1 1 1 1	111111	1 2 1	1	1 - 2	1 - 4 - 1 - 1 -	1
St. Olave WH S. & L.	11956 16300 15669 54632 36024	6 8 14 29 23	14 4 6 19 24	3 2 1 7 8	1 3 1 5	11111	2 1 1 1	11/11	11111	3	1,111	1	,1 1 1 1 3	3 - 1 4 3	1 - 1	1 - 1 2	8 - 2 - 9	1111
Waterloo-road 1st H - L, & S. Waterloo-road 2nd H - L, & S. L	15195 16351 19876 39859 45232 35832 62837 19017	8 21 16 28 30 10 37 10	5 3 12 16 16 8 15 4	3 1 2 4 8 3 5 2	233322		1	1 1 1 1 1 1 1 1	1111111	1	111-4111		1111111	1 2 1 1			1 7 7 7 1 - 1	1 1 1
East Battersea	54675 52587 86380 28004 13235 25553	42 38 14 28 6 20	17 26 9 11 8 7	12 12 4 3 2 5	1 3 2 2 - 1	111111	2 1 1 1 -	7	1	3 1	11111	11111	1	4 2 3 3 -	2 1 1 - 1	1 1 1 1	2 -	1 1 1 1 1 1
Dulwich - L. & S. Camberwell - S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & L. & S. & S	5590 59104 71089 50810	58 56 40	87 24 16	7 8 5	11 6 2	1.1,1.1	1	1	1111	2 2	1111	1	1 1 1 1	2 1	1 1 1 1	1 2	20 3 -	1 -
St. Paul Deptford w K. St. Nicholas Deptford K. Greenwich West H K. Greenwich East WHH - K.	76752 7901 21972 24608	71 5 10 16	33 4 8 21	12 2 - 6	4 1 1 3	1111	1 3	3 - 1 -	1	2	7 1 1	1 -	1 1 1	4 1 - 1	1111	- 1	1 9	2 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	7 6 17 5	3 2 11 6	2 2 -	1 2 1	1 1 1 1	1	1111	1111	1	7 7 7 8			1	- 1	1	4	111
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10930 17617 19044 14009 19241	5 9 17 16 36	2 4 2 2 1	1 2 1 2 5	2 - 4	11111	11111	1111	11,11	1	. 1 1 1 .			111		-	1 5	1 1 1 1
Hospital Ships and Camp, Dartford - Winchinore Hill Hospital Caterham Asylum - Darenth Asylum - Darenth Asylum - United Asylum - United Asylum - United Asylum - United Asylum - United Asylum - United Asylum - City of London Asylum - City of London Asylum -			2913414		1 2 2 1 -			2				FIRITIAL	111111111	1111111		11111111	20013	T T T T T T T T T T T T T T T T T T T

Table 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums Area; Population; Births and Deaths registered during the Week ending Saturday, 6th September, 1

1110	EA; POPULATION; I	DIRTHS	ann D	EATH	s regi	stere	a an	ring	the v	veek	enan	ng ba	uuru	1), 0	56	ptem	Det, 1
Hegis-		Area				1			The D	EATES	regist	ered iz	the '	Vesk i	nelude		
tration		Acres,	Enume-		-	Dea	ths of				Death	s from	ı				
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	Popu- lation, 1891.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Muariet Forer.	Diphtheria.	Whooping-cough.	Fover.	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Public
LOI	NDON - OUTER RING	370,924	950,957	807	370	121	81	-	9	4	9	13	9	53	10	19	20
80:1	Carehalton wL Epsom (part of)* WwH	12228 9971	21118 10710	14	7	1	3 -	-	-	-	-	-	-	-	1	1	
37:1	Godstone (part of) * -	2754	1235	2	1	-	.1	-	-	-			-	-,	-	-	-
38:1	Croydon Ww L -	20 851 11697	101241 17982	68 12	28	7	9	-	1 -	1 -	-	1	-	3	1	3 -	4 -
89:1	Wimbledon HIIH - Kingston WHH	3220 8549	15950 36354	11 26	5	1 7	3	-	1	-	-	-	-	2	1	1	- 1
8	Esher (part of) * - Hampton H	6601	9221 13539	10 13	4 5	1	3	-	-	-	-	-	-	1	- 1	1	-
40:1	Richmond WH	2272	21303	12	8		4	-	-	-	-	•	1	1	1	1	3
41:1	Bromley (pt. of) * HH	2941 15669	12331 31142	30	8 9	5	-	-	1		_	-	-	1	-		-
12:1	Chishrst(ptof)* WIIII Bexley H	14807	15944 24134	17	3	1	2	-	-	-	-	-	-	-	-	-	-
124:1	Dartford (Ww, pts. of)* Sunbury w	11055	11685	6	3	-	1.	-	-			-	9	1 1	-	-	-
125:1	Staines W	18277	12089 10802	11	-	-	1		-	-				-	-	-	-
2 8	Hillingdon WHH • - Uxbridge Hayes wHL -	6029 6178 14587	5225 11523	12	1 2 2	-	2	-	: -		-	1	-	-	-	-	-
126: 1	Isleworth WIIII -	7008	22727	8 15	11	4	1		2	-	~	1		-1	-	-	1
8	Twickenham H Brentford HL	2477 4345	12179 37849	21	11	5	2		-	-	2	-	1.1	3	-	1	1
5	Chiswick Acton wH	1340 6083	15975 22876	10 15	3 12	5	1	-		1	-	-	-	4	-	-	-
127:1	Harrow H Edgware H	13809 6994	12798 8749	8 -	5 2	2 -	2	-	 -	- -	1	1 -	-	1	-	1	-
8	Willesden IIendon W	4383 8382	27453 10484	27 2	15 5	8 4	-	-		/ = .	-	1	1 -	4 2	1 -	1 -	
137 : 1	Bushey Watford (W, pt. of)* -	9381	6621	5	1	-	1 -		-	-	-	-	-	1	7 7	-	-
128;1	South Min.ms Barnet	18539 8433	6391 10092	4 5	- 2	-	- 2	-	-	-	-	-	-	-	-	-	-
3 135 ; 1	Finchiey HL	4688	17615	18	. 7	2	1	-	1	-	1	-	-	-	-	-	9
128:1	Hatfield (part of) * - Hornsey H	8306 8039	583 37078	28	7	-	4	-	-	1	1	-	-	1	-	1	-
2 8 4	Tottenkam H Edmonton Ww -	4642 7488	46456 23463	58 23	29 15	14	3 4	-	1	-	-	2	1	2 2	 1	1	2
5 6	Enfield WH Waltham Abbey Cheshunt	12653	19104 5368	23	11 -	3	1 -	-	-	,,-	-	1	-	5	-	-	1 -
186:1	Stratford	3480 882	7785 38606	5 86	6 19	5	2 5	-	1	1	1	-	1	1 3		-	-
2 8 4	West Ham ww H - East Ham ww	4055 3296	90347	103	46 8	15	.6 4	-	-	-	-	3 ~	3 -	2	1 -	1 -	-
E	Leyton WwL Walthamstow H -	4372 6520	32480 28869	82 85	20 21	9	1	-	1	-	2	-	1	6 5	1.	2	3
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	8 -	2 -	-		100	-	-	1 -	-	- 1	-	-	-	-
189:1	Romford (part of) * W	6730 8493	3411 7645.	6	- 5	- 1	1	-	-	-	-	1	-		-	-	-
8	Barking Town	4127	9208	15	2	1	-	-	-	-	~	-		1	-	-	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as Linew 29:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godscuss in district; 38:3, Esher sub-district, except the parish of Esher (pop. 1983); 41:1, Bromlay sub-district, except the parish of Cudnam a Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatch sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 187:2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 6th September, 1890.

Area						The Di	ATH	s regi	istere	d in	the W	Veek	inclu	de	The same of the sa
Acres, including	Estimated Population,	per 100		DEATHS from	Dead	ths of			-	Deatl	ns fro	m			ublic n.s.
tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	ever.	Jarringa.	iolance.	eaths in P
1.	2.	3.	4.	5.	6.	7.		-		1	-		1 - 4	-	19
448,334	5,758,500	17:1	3.4	1884	583	382		65	22	25	59	-			411
77,410 370,924	4,421,661 1,336,839	17°9 14°4	3.8	1514 370	459 124	301 81	-	5 6	18	16	48	19	123		391
	in Acres, including tidal water and foreshore.	ine Acres, including tidal water and foreshore. 1. 2. 448,334 5,758,500 77,410 4,421,661	in Acres, Estimated population, middle of 1890. 1. 2. 3. 448,334 5.758,500 17.1 77,410 4,421,661 17.9	Acres, including tidal water and foreshore. Estimated per 1000 living. From All Causes. From Causes. From Causes. E-14.	in Acres, tolding tidal water and foreshore. Estimated Population, middle of water and foreshore. 1. 2. 3. 4. 5. 448,334 5.758,500 17.1 3.4 1884 77,410 4,421,661 17.9 3.3 1514	Translation Translation	Ares, the lading tidal water and foreshore. Estimated Population, middle of 1890. From All Causes. From Diseases in Cols. From Causes. From Diseases in Cols. From Causes. Deaths of Deat	Deaths of Deat	Acres Acre	Death Deat	Death Deat	Lestimated foreshore. Lest	Causes C	Death Deat	

Note.—The area of Greater London is 448,334 acres; of which 4,392 acres are tidal water and foreshore. This area is equal o 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8. - BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

	POPULATION	DAT	D			ANNUAL	D.	EATH	S FROI	M PRIN	CIPAT	ZYMO	
Cirias.	(enumerated or estimated).	OF RET	URN.	Bierns. Exclusive of	DRATES. of Stillborn.	DEATH- RATE per 1009 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhogal Diseases.
ALCUTTA	433,219 {	July	19 26		184 180	22.1	1 2	-	-	. 1	-	54	34+
OMBAT	773.196	August	12	263	395	21.6 22.1	2 2	Ī	-		.1	67	20†
IADRAS	398,777	July	1,1	387	335	43.6	1	5	1 -		-	127	3.1+
ARIS	2,260,945	August	80	£75	806	18.5			1	-		83	51
RUSSELS	477,288	9	30	209	221	24.1	-	15	. 3	21*	1	- 11	143
th 8 Faubourgs.)		-					1 -	4	-	-	2	3	62
MSTERDAM -	406,302	Ð,	30	-	-	-	-	-	-	-	_	-	_
HE HAGUE .	203,486	99	30	-	-		-	-	-	-	_	-	
	156,497	91	30			- 1	-	-	-	-	-	-	_
OPENHAGEM -	312,387	9	30	195	105	17.5		6	_	2	3	_	
TOCKHOLM -	236.350	33	23	97	85	18.7	100		5	3*	3		14
HRISTIANIA -	143,300	n	30	64	54	19.6			1	. 5	-	_	20 12
r. Petersburg	842,000	33	23	-	369	22.8	1	5	13	8	3	8	87
BRLIN	1,526,887	30	16	924	844	28.4		9	6	16	19		
AMBURG(State)	575,276	33	23	411	247	22.4	_	6		8*	19	2	331
RESDEN	269,250	99	23	136	182	35.2		1	1.	3*	2	2	53 51
RESLAU	324,400	33	30	233	222	35.7.	:	_	2	8*	4	1	82
lunich	298,000	32	30	-	189	29.6		3	2	6*	4	1	27
IRMNA	822,176))	30	477	322	20.4	-	2	1	3	2		67
RAGUE	314,425	99	30	-	134	22.2	***	4	-	4	1	_	9
UDA-PESTH .	463,017	3)	23	339	255	28.6	~	-	3	13	1	-	58
RIESTE	160,092	19	30	100	66	21.4	-	-	-	-	_	1	12
COME	418,217	19	19	210	194	25.0		5		, 4	1	- 1	
URIN (11 days)	314,827	July	31	268	185	19.4	2			-	- 1	11‡	35
BNICE	156,515	August	16	94	90	30.0	12	2		-	-	3 2	46
ATRO	374,838		7	\$98	340	47.2	1			-	1		12
LEXANDRIA .	231,396	3)	7	184	169	88.0	1	-	-	1	2	26	126
NW YORK .		19	- 1	102			-	1	-	1	1	11	38
ROOKLYB	1,617,997 859,612	39	16	-	782	23.3	-	9	5	12	15	10	137
HILADELPHIA -	1,064,277	91	16		386	23.1	-	1	2	12	10	1	71
ALTIMORE .	500,343	93	16		337	16.2	-		2	2	16	14	46
EW ORLEANS	254,000	Anonot	16		175	18.2	-	1	-	2	5	4	22
	293,000	August	9		120	24.7	-	-	-	1	1	2	12

Including deaths from croup.
 Including 6 and 3 deaths respectively from cholera in Calcutta, and 2 in Bombay.
 Including 8 deaths from malarial fever.

TABLE 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 6th September, 1896. [Under the Superintendence of the Astronomer Ronal.]

Observations are usually taken at th. A.M.; noon; th. P.M.; and th. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are The average temperature of the air is that derived from a discussion of the photographic the results of all the meteorological observations are to be understood as applying to the The height of the cistern of the barometer is 159 feet above the mean level of the sea; n converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the paremeter, and mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrorecords made at Greenwich during the 20 years ending 1868, and that of horizontal movement the air (column 8). The mean daily dew point temperature and degree of humidity are deduced The thermometers in the water of the Thames are suspended at a depth of two fest below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are :- P. positive; N. negutive; w. weak; m. moderate; s. strong; and the reading of the barometer increased from 29.98 in. at the beginning of the week to 30.17 in. their readings are registered by the Clerk of the Market, under instructions from Thomson's self-registering Electrometer. eceiving hes and minimum thermometers, forming the mean daily value of temperature of of the air from a discussion of the anemometric records for the 16 years ending 1875. Miles. during the twenty years ending 1868 for the thermometers. With the corrected 90 In reading the columns 9 and 25 it will be norne in mind that + indicates Sum -551 of the Air Sum 1257 2.4 The numbers in column 29, derived from the Campbell-Stokes correction has been applied to the readings to reduce to sea level Wind as deduced from Anemometers. of 24 0.0 bs. Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. lbs. 0.0 0.0 0.0 0.0 lbs. 0.0 est. W.NW.&N. SW. & SSW. WSW. & SW. N.NE. & ESE. WNW. & N. & NE. WSW. WSW P.M. General Direction. 20 ż જ lower," than the average. Calm & SW. SSW. & SW. Calm & N. WSW. & W. Calm & N. S.W. WSW S.W. Corporation of London. of the Thames at Deptford. 59.5 58.80 9.69 0.09 59.8 9.00 59.66 est. TEMPERATURE. High-0.19 8.69 60.4 61.1 7.19 9.09 on the Grass. 9.97 9.1% 31.2 0.77 Radiation. 16 Very fine; cloudless in early morning; small amounts of light cloud till evening; cloudiess at night, Fine, and partially cloudy till 3b, P.M.; overcast afterwards; occasional thin rain in afternoon. High-est in Sun's Bays. 67 afternoon: 9.801 0.53 35.5 6.88 39.8 94 70 8 92 14 Overcast till evening ; variable at night. GENERAL REMARKS. fine 0.0 Difference between the Air Temperature and Dew Point 0.0 0.0 0.0 0.0 0.0 Temperature. morning; wery 6.71 4.01 ₱.6I 16.8 Fine; partially cloudy. Mean daily value. 2.2 2.3 5.4 Cloudless in m Mean daily Of the Dew Point. 9.19 53.0 parture from Average 6.8 2.0 5.6 ₹.1 ł Horizon, 58.5 7.89 58.4 9.81 18.8 13.5 13.4 Of the Air, 20.7 7.7.1 24.4 22.2 Sunshme, Sum 2078 90 7.3 3.4 0.0 53.8 P. 87 Low. 0.14 est. 0 morning; 53 (For explanation of aymhols, see Note.) w. P. throughout 890.08 30.211 P. generally Mean P. in mor W. P. of the W. W. P. ల 31 mi 63 00 DIONTH AND AUGUST. 1890. No. of Col. WEDNESDAY DATE. DAX. MEANS THURSDAY BATURDAY WBD. THURB MONDAY TUESDAY LUES. SUNDAY AOM. FRIDAY CON. FBI. SAT

lecreased to 30.05 in. by 3h. P.M. on the 3rd

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 37. 1890. Vol. LI. WEEK ENDING SATURDAY, SEPTEMBER 13.

> General Register Office, Somerset House, 15th September, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 18.6 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending	, ,		, , ,	Weeks	ending	3
Towns.	Aug. 23.	Aug. 30.	Sept.	Sept. 13.	Towns.	Aug. 23.	Aug. 30.	Sept.	Sept.
Birkenhead	14.4	19.9	18.4	19.9	Liverpool	25.2	25.5	22.2	22.8
Birmingham	24.6	21.7	17.6	21.2	London	19.2	19.6	17.9	16.6
Blackburn -	21.1	15.2	20.3	15.6	Manchester -	26.8	27.6	30.4	25.4
Bolton -	24.8	22.5	22.1	20.3	Newcastle-on-Tyne	29.4	35.2	22.1	21.8
Bradford -	16.9	18.6	14.1	13.2	Norwich	24.6	20.8	22.4	17.0
Brighton -	21.9	19.8	14.8	19.4	Nottingham -	15.3	12.6	13.6	13.4
Bristol -	13.0	11.2	14.1	15.9	Oldham	16.3	16.3	14.6	22.4
Cardiff -	20.9	29.4	22.7	19.6	Plymouth	18.5	17.2	15.9	27.8
Derby -	23.3	16.0	15.5	19.6	Portsmouth -	19.3	20.1	24.1	19.3
Halifax -	15.3	13.3	19.1	17.2	Preston	31.7	29.7	25.3	23.3
Huddersfield	22.7	17.1	12.7	22.7	Salford	27.5	23.7	22.4	19.6
Hull - ! -	22.7	20.7	21.9	19.0	Sheffield .	27.6	28.2	18.3	23.5
Leeds -	20.4	18.3	18.5	17.5	Sunderland -	24.4	22.5	24.8	21.8
Leicester -	17.9	20.9	20.3	20.9	Wolverhampton -	20.6	18.1	28.1	21.3

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1.0 in Birkenhead and 1.5 in Preston; from scarlet fever, 1.1 in Manchester and in Sheffield, and 1.2 in Liverpool; from whooping-cough, 1.0 in Preston and 1.6 in Norwich; from "fever," 1.0 in Birkenhead; and from diarrhæa, 3.2 in Manchester, 3.4 in Brighton, 3.8 in Sunderland, and 5.9 in The 30 deaths from diphtheria included 18 in London, 5 in Salford, and 3 in Manchester. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2539 BIRTHS and 1410 DEATHS were registered. Allowing for increase of population, the births were 182, and the deaths 3, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19.6 and 17.9 in the previous two weeks, further declined last week to 16.6. During the past eleven weeks of the current quarter the death-rate averaged 18.4 per 1000, being 0.9 per 1000 below

the mean rate in the corresponding periods of the ten years 1880-89.

The 1410 deaths included 39 from measles, 18 from scarlet fever, 18 from diphtheria, 35 from whooping-cough, one from typhus, 18 from enteric fever, 117

A 63356.—11. 635.—9/90. Wt.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy. 0 0

from diarrhoea and dysentery, 5 from cholera and choleraic diarrhoea, and not one from small-pox or from ill-defined forms of continued fever; thus, 251 deaths were referred to these diseases, exceeding by 6 the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 5; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The 39 deaths from measles showed a further considerable decline from recent weekly numbers, but were still more than double the corrected average. The fatal cases of scarlet fever, which had been 24 and 18 in the preceding two weeks, were again 18 last week, being 19 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1539 scarlet-fever patients at the end of last week, the numbers on the preceding three Saturdays having been 1427, 1464, and 1503; 210 cases were admitted during the week, against numbers increasing from 118 to 206 in the preceding five weeks. The 18 deaths from diphtheria were slightly in excess of the number in the previous week, but were 4 below the corrected average. The deaths from whooping-cough, which had been 39 and 46 in the previous two weeks, declined again last week to 35, but exceeded the corrected average by 5. The 117 deaths attributed to diarrhea showed a further decline from recent weekly numbers, though they were 8 in excess of the corrected average; 113 were of children under five years of age. Five deaths from cholera or choleraic diarrhea were returned, of which 3 were stated to be from infantile cholera, and 2 from choleraic diarrhaa.

The deaths from enteric fever, which had been 17 and 18 in the previous two weeks, were again 18 last week, being one below the corrected average. The Metropolitan Asylum Hospitals contained 125 cases of enteric fever, and one of typhus, on Saturday last; 25 cases of enteric fever were admitted during the week, against numbers rising from 11 to 36 in the preceding five weeks. The death of a female, aged 10 years, occurred in Toulmin Street, in the sanitary area of St. George, Southwark, the cause of which was certified to have been typhus.

The deaths referred to diseases of the respiratory organs numbered 210, exceeding the corrected average by 31, and the number in the previous week

by 30.

Different forms of violence caused 55 deaths, concerning all but one of which inquests were held. Of these 55 deaths, 10 were cases of suicide, and one of murder, while the remaining 44 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 6 by burns or scalds, one by poison, 7 by drowning, and 11 (including 9 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3306 births and 1741 deaths were registered, corresponding to annual rates of 29.9 and 15.8 per 1000 of the estimated population. In the Outer Ring 24 deaths were referred to diarrhea, 8 to whooping-cough, 7 to measles, 7 to diphtheria, and 5 to "fever." The deaths from diarrhea included 9 in the district of West Ham and 3 in the sub-district of Croydon. Of the 7 deaths from diphtheria, 3 occurred in the sub-district of Leyton; and of the 5 deaths from "fever," 2 occurred in the sub-district of Leyton and 2 in that of Walthamstow.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30·12 ins.; the highest reading was 30·30 ins. on Sunday morning, and the lowest 29·96 ins. on Wednesday afternoon. The mean temperature of the air was 59°·4, and 1°·1 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday, and on Friday and Saturday, while it showed an excess on the other days of the week. The direction of the wind was variable, and the horizontal movement of the air averaged 5·6 miles per hour, which was 5·9 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 48·6 hours, against 53·7 hours at Glynde Place, Lewes.

* See note on first page of this Return.

					Births, Deaths, Meteorology.	381
	CITIES		Cols.	0 - 28 TOWNS.	LOWDON. BRIGHTON. PORTSMOUTH. NORWICH. PLYMOUTH. BRISTOL. WOLVERHAMPTON. BRISTOL. WOLVERHAMPTON. LINGBER. DREBY. BIRKENHEAD. LIVERPOOL. BIRKENHEAD. LIVERPOOL. BIRKENHEAD. LIVERPOOL. BILOED. CIDHAM. BACKEBUR. SALFOED. CIDHAM. BALCKBUR. BLACKBUR. BLACKBUR. HALIPAX. BRADFOED. LEBDS. HALIPAX. BRADFOED. LEBDS. HULL. SUNDERHAND. HULL. NEWGASTIE.	
RAIMPALL	MALL.	In Centi-	2.4.	0.00		0.03
RATH		·usqoul ul	23.	00.0	000000000000000000000000000000000000000	10.0
AIR.	FD.	-obergianeU	22.	14.67	14.34 14.35 14.25 14.35 14.25 14.25 14.25 14.25	12.17
THEFREATURE OF THE AIR.	Mean	·tiodnorda'	21.	58.4	556.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	59.8
ATORE		Their Lowest	20.	41.0	44.0 44.0 44.0 48.1 48.1 48.0	
() NACP III	-3	Fahrenheit Lowest	19.	2.2.2	777.5	73.6
	e the	From Discases in Cols. 6-12.	18.	3.5	0 0 0 0 4 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	-
Anmusl Rate per 1006,	corresponding to the Week's Deaths	From All	17.	18.6	116.6 119.4-119.3 119.4-19.4-	
	i'maw	Oncertification of Designation of De	16.	67 1	© H 1 M M M H M M M M M M	23 23 13 13 13
1	-1	Desthain Publie Institution	16.	645	88 68 87 88 87 88 88 88 88 88 88 88 88 88 88	9 2 2 2
		Inquest Case	14.	235	<u> </u>	S S S 10
lude		Violence.	13.	114	יוורטה הממוהמט המודא פטט ומטרורט. מי	8 4 4
Week include		Diarrhose.	12.	316	11.00	441
the W		Ferer.	11	47	8 H H M H H M M M M	1 00 61
ered in	Deaths from	Whooping-	10.	89	84 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	441
The DRAYER registered in 8	Deat	Diphtheria.	6	30	© 1 H 1 1 1 1 1 1 H 1 H H W W 1 1 1 1 1 1	0001
The DEATHS registered in the		Scarlet Fever.	7. 8	20 02	011111 0111 1 011 1 1 1 1 1 1 1 1 1 1 1	61 63 61
The 1		Small-pox.	6.	-	1111111111111111111111111111111	
) jo	60 Tears and upwards.	2.	693	88 8 1 1 2 8 8 1 1 2 8 8 1 1 2 8 8 1 1 2 8 8 1 1 2 8 8 1 1 1 1	0 91 27 29
	aths	Persons aged	*	9		
	A	Tobate under To Task I		32 103		-
Registered during	the Week ending	DEATES.	.00	3 3462	<u> </u>	-
Regist	_	1 1	oi	5703	253 100 100 100 101 118 118 118 128 138 138 138 138 138 138 138 13	121 359 178
	POPULATION	to the middle of the Isgo.*	1.	9,715,559	4421,661 123,659 142,953 95,553 78,706 282,248 83,406 284,509 106,049 106,049 115,846 27,9,437 27,9,43	271,136 580,208 586,082
			Cols.	1		1 1 1
	CTRTER	AND BORUUGHB.		28 TOWNS	LORDON BRIGHTON PORTRACUTH NORWICH PLANCUTH WOLVERLAKFTON BIRNINGHAM LEICESTER NOUTHGHAM LEICESTER NOUTHGHAM LEICESTER SALRORD CLUVERPOOL BOLTON BLAKKBURN FREETON HUUDERSTELD HALIRAK FREETON HUUDERSTELD HALIRAK FREETON HUUDERSTELD HALIRAK FREETON HUUDERSTELD HALIRAK BRADFORD LEEDS SERFFIELD HALIRAK BRADFORD LEEDS HULL BRADFORD LEEDS HULL BRADFORD LEEDS HULL BRADFORD LEEDS HULL BRADFORD HULL BRADFORD LEEDS	Вріквувен Ставом Вузін -

TABLE 2. LONDON .- Births and Deaths Registered in the THIRTY-SEVENTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.**	1890
Total Births Males Females .	2382	2493	2430	2488	2604	2542	2589	2506	2458	24 3 2	2721·1	2539
	1213	1245	1248	1256	1340	1330	1284	1283	1270	1279	1390·1	1258
	1169	1248	1182	1232	1264	1212	1305	1223	1218	1153	1331·0	1281
Total Deaths Males Females .	1438	1151	1269	1260	1373	1231	1403	1266	13 3 0	1236	1412·9	1410
	764	580	634	661	686	633	724	658	66 4	652	725·8	736
	674	571	635	599	637	598	679	608	666	584	687·1	674

The numbers in this column are the average weekly numbers in the thirty-seventh weeks of the ten years 1880-89, raised by 9.046 per cent, for increase of population.

TONDON -- RIDBIG DEADING and METEOPOLOGY in the Last THIRDREN

TABLE 3. LONDON.	-BIRTHS	, 10112	1110,	and D	ALI LIC	160110	GI III	one .	10.00	LHIKI	E E I	WEEK	
	June 21.	June 28.	July 5.	July 12.	July 19.	July 26.	Aug.	Aug. 9.	Aug.	Aug. 23.	Aug.	Sept.	Sept.
TOTAL Births .	- 2516	2359	2480	2472	2346	2512	2557	2176	2527	2487	2614	2469	2539
Total Deaths -	- 1387	1346	1481	1471	1522	1418	1683	1594	1751	1629	1659	1514	1410
Ages at 20—40 ;; 40—60 ;; 60—80 ;; 80 years & upwa	- 672 177 - 239 - 248 rds 51	669 155 254 220 48	798 165 239 237 47	800 174 214 231 52	823 157 249 250 43	793 132 227 219 47	938 186 232 277 50	915 171 225 230 53	1019 169 263 246 54	964 148 233 235 49	911 190 265 234 59	796 177 240 245 56	687 183 238 256 46
", {Under 1 year 1 -5 -5 -20 -	- 318 262 92	339 256 74	423 281 89	428 281 91	445 277 101	438 282 73	554 286 98	549 294 72	635 294 90	603 292 69	525 282 104	459 247 90	895 217 75
Dysentery Cholera	fever 1 24 2	51 2	100 13 21 57 - 6 2 85 4	99 20 22 66 - 9 - 107 4	104 12 19 56 - 6 1	94 13 20 62 - 107	82 19 36 45 -11 1 177 7	95 17 22 37 -11 1 176 4	80 27 15 39 - 16 1 262 10	73 16 20 39 - 11 - 255	60 24 26 39 - 17 - 180 7	56 18 16 46 - 18 1 128 5	39 18 18 35 1 18 -
mentioned Disea mentioned Disea property pr	ra- em } 215	206 136	288 244 115	327 225 132	216 150	185 110	378 215 147	363 197 126	208 129	203 119	353 184 167	180 139	251 210 136
", ", Dis. of Circu tory Syst Violent Deaths - Inquest Cases - Deaths in Public Instituti	em } 120	49	55 97 311	108 40 100 321	117 49 113 347	56 111 333	73 134 405	50 103 373	75 128 403	54 105 343	57 105 364	120 54 98 391	55 109 360
TEMPERATURE OF THE A Mean Mean of Highest readin Mean of Lowest readin	gs - 70	9 71.5	66.6 48.6	48.4	54.8	73.9	74·4 58·9	73.8	73.2	69 0	66.5	71.0	59·4 73·2 48·2
Humidity of the Air Rain-fall in inches Registered Sunshine (in h	- 76 0·3 29·	8 0.78		83 0·86 17·9									1

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lipplacott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pikington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyn!!, Esq., Newcastle-on-Tyne.

TABLE 2. LONDON.—DEATHS Registered at several groups of Ages from different CAUSES in the THIRTY-SEVENTH Week of the Year 1890.

			T	HIR!	ry-	BVI	ENT	H V	Veel	of the Year 1890.						-			
	for the 10 years	Sa	In turds	the ty, 18	Wee th S	k en ep t er	ding nber	1390			for the 10 years	Sat	Inurda	1 the	We	ek e	nding	1890.	
	ges for		De	aths	of P	erso	ns of				ges for	1		aths		erioi			
SES OF DEATH.	Corrected Averages 87th Weeks of the 1880-89.			inder 20.		or 40.	er 60.	br 80.	and	CAUSES OF DEATH.	Averages iks of the l 1880-89.*		U	nder 20.		F 40.	00	. 80.	pus
	veek	AGES				under	under	under	ars		Veck Veck	GEE.	-	10.	-	under	under	under	# . # #
	7th	ALL A	0-1.	1-6.	5-20.	*nd	and	and	upwards.		Corrected 37th Weel	ALL A	1.	.6.	2-30.	and	and 1	and 1	Years upwards
	ŏ°	4	0		70	2	40	9	80		5 5	4	0-1	1-6.	19	8	\$	3	3
CAUSES	1412'9	1410	395	217	75	183	238	256	46	Diseases of Organs of } Special Sense † }	2.1	1	-	1	~	-	-	-	-
Vaccinated; -	1.2				-	-	_	- 1	-	Diseases of Circulatory									
No Statement	2.3	-	-	-	-	-	-		-	System}	95.4	114	3	1	5	17	80	56	2
sles	17:7	39	10	27	2	-	-	-	-	Croup	12:3	3		9		_	_		
let Fever	36.2	18	-	13	4	1	_	_		Bronchitis Pneumonia	12:3 94:2 43:6	103 81	31 14	20	2	18	22 18	20 17	5
psing Fever †	0.0	-	-	-	-	-	-	-	-	Pleurisy Other Diseases of Respi- \	3.6	4	1	-	1	1	1		
ienna	0.1	1	10	-	-	-	-	1	-	ratory System}	19.8	19	4	2	-	1	7		1
opping-sough - =	30.4	35 18	12	22	3	-	1	~		Dentition †	9.8	7	4	3					
ntheria	-1.9									Quinsy, Sore Throat † -	1.3	20	14	8	ī		1	1	H
ple Continued and }	19.0	18		1	7	9	1	_	-	Peritonitis Diseases of Liver	30.9	10 28	1	-	8	6	13	10	
orie Fever	3.1	5	2	1	2	9	-	_		Other Diseases of Digestive System -}	29.0	28	5	1	1	8	6	10	
rhea, Dysentery -	103.8	117	87	26	-	-	1	2	1			i			-	_		_	
ittent Fevert	0.1			-	-	-	-	-	-	Diseases of Lymphatic	1.6	8	H			1	2		
rophobia	0.0			-	-			-		System & of Ductless Glands †									
pox and Effects of)	0.1				-			_		Diseases of Urinary							-		-
ceination †	18:1	9	5		_	1	3		ì	System	85.1	38				12	13	11	2
sipelas	6.3	2		-	-	1	2					-			-			-	
mia and Septicemia †	3.1	2			1	-	H	1	-	Diseases of Generative	4.3	8	2	-	-	2	1	2	1
rperal Fever	3.2	5	-	-	_	5	-	-	-	Accidents of Childbirth -	3.4	2	_	-	-	1	1	-	-
2) Mone Discases (<u> </u>		-		_	_	1	_	Diseases of Locomotive	0.7	5				1	1	3	
ush	2.6	1	1	-	-	-	-	-	-	System †}	6.7	-	1	_		_	_	-	
ms and other Para-}	0.4	1	-	-	-	1	-	-	-	Diseases of Integumen-	5'5	4	-	_	_	-	-	4	
vation, Want of }	2.1	6	5	-	-	-	1		_	tary System }			-	-		-			-
oholism	4.8	8	-	-		3	3	2	-	VIOLENT DEATHS.§									
numatic Fever. }	-7.4	6	-		2			-		(ACCIDENT.) Fracture and Contusion	W2.7	15	-	4	2	2	4	1	3
umatism t	2.0		1.		2	4			-	Gunshot Wound Cut, Stab	0.3	=	-	-	-	-	-	-	1
B	3'4	-	-	-	-	-	_	-	-	Burn and Scald Poison	1'4	6 1 7	-	.1	4	1	-	-	13
cets†	3.6	-		-	-	-	-	-	-	Drowning Suffocation	9.6	11	9	1	3	3	-	1	1
es Mesenterica	54·4 43·5	65	19	-	-	7	24	33	1	Otherwise	2.6	4	3	-	1			1	-
ercular Meningitis -	24'8	21	12	8	3	-	1 -	-		(Homicide.)									
hisis	159.9	136	4	7	12	63	42	7	1	Murder & Manslaughter	1.4	1	1	-	-	-	-	-	-
ofula, Tuberculosis - er Constitutional }	19.1	17	4	9	2	1	1	-						-	-	-	-	-	
iseases † }	8.1	9	-	1		2	5	1		(SUICIDE.) Gunshot Wound Cut, Stab		1 2	-	-	ī	1	-	ī	
mature Birth lectasis +	36.5	29	29	-	-	-	-	-	-	Poison Drowning	1·1 1·4 1·7 1·5	2 4	=	-	=	1	1 1 1	2	
genital Malforma-1	1.9	3	3	-	-	-	-	-	-	Hanging Otherwise	1.2	i	=	-	-	-	1	-	1111
ons }	6.3	6	5	1	-	-		-	-	- COMONTINO A		1-	-	_	-	-	-	-	-
oplexy	39.3	1-	-	-		-	1	28	-	(EXECUTION.)									1
llepsy		88	1 -	-	1	2	10	19	6	Hanging	0.0		-		_			-	-
ivulsions	41.4	40	88)	-	-	-	-				1	1	1					
or Diseases of Brain and Nervous System	78.7	80	11	12	8	7	17	23	2	OTHER CAUSES †	70.8	61	52	5	1	1	3	-	1
The numbers in this	1	1	-		-						1	1	1		-			1	1

As the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

Those cases of small-pox only are returned as "vaccinated, the average for the eight years 1832-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "united are so certified by registered medical men. When medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered actioner, the case is returned under the heading "no statement."

ne evidence at inquests is often insulficient to enable the Coroner to certify whether a violent death be the result of accident, murder laughter, or suicide. All such cases are stassed under "accident or negligence."

Table S. LONDON. -Population; Births; Deaths from all Causus, and from Small-pox, Muasles, Scart during the Week endi

							The	DEA	THS T	egiste	rad i	n the	Wee	k ine	lude	-	
	Enume-			Deat	hs of					Deat	hs fro	m					
REGISTRATION SUR-DISTRICTS.	rated Popu- lation. 1881	Total Birres.	Total DEATER.	Lafants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.
LCNDON	3,815,794	2539	1410	395	302		39	18	18	35	1	18	-	117	55	109	360
WRST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASTLUMS OUTSIDE REGISTRA- TION LONDON	669.623 905,947 282,238 692,738 1,265,148	362 581 115 504 977	221 804 94 290 483 28	52 75 24 102 141	59 64 20 49 105 5	-	8	1 9 - 2 6	1 11 2 4	4 6 2 5 18	1	1 7 - 4 6 -	-	17 14 8 29 49	12 12 2 13 16	20 24 5 36 24	65 92 27 65 93
WEST DISTRICTS. St. Mary Paddington WHH G.J. &W.M. St. John Paddington H - Q.J. W.M. &C Brompton H - W.M. &C	69888 87839 120141 43910 7599 64340 42900 30898 24925 82807 80353	44 10 70 14 5 44 51 13 25 21 6	24 18 18 6 3 22 27 15 14 7	94 7 - 158 532 2	4 3 6 1 1 6 5 2 3 2 5		- 2 2 1	11 13 1 1 1 1 1 1	1	1 - 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		8 1 1 5 2 1	3 - 1 1 - 1	1 4 1 2 1 1 1	4 11 5 2 - 1 5 8 - 8
Rejerave WHHH - C. St. John Westminster HHH - C. St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHH - F.M.	59220 85496 24679 29941 16608	21 12 11 8 7	29 5 11 5 5	919	13 2 2 8 1	The state of the s	1 - 2				2 1 1		-		1 -	1	7 1 1
All Sonis Marylebone HHHHHH W.M. Cavendish Square HHHH W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HHH G.J. & W.M. Christchurch Marylebone HW. W.M. St. John Marylebone H. W.M. Hampstead Ww.HHHHH - N.R. & W.M. Regent's Park Paneras H - W.M. Tottenham-court wHHHH N.R. & W.M. Gray's Inn Lane HHH - N.R. N.R. (Fary's Inn Lane HHH - N.R. N.R.)	26759 14891 24809 21118 38700 33638 45452 89115 27729 80247	8 7 17 27 1.5 12 28 35 12 8	9 2 6 6 9 6 28 6 10 12	91 - 92 1 - M 69 24 4	2 3 4 7 3 3 -				3 1 1	1		1 1 1 00 1 1 1		1 2	The state of the s	1 1 2 - 1	4 -8 -1 12 -7 4
Somers town WH - N.R. Camden Town W - N.R. Kentish Town W - N.R. Upper Holloway WWwHH - N.R. Islington South-west H - N.R. Islington South-east - N.R. Highbury H - N.R.	84369 17311 87487 67946 100976 61835 52048	23 20 49 62 67 41 29 15	8 13 21 45 36 11 12	8 8 14 5 5	1 5 2 12 2 - 2		2 111	r taritation	3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1	1111111	1 2 - 1	5 2 2 - 1	7 3 3	8 3 24 1 -
Stamford Hill - E.L. West Hackney II - N.R. Hackney WuwneH - E.L. N.R. South Hackney - E.L. CENTRAL DISTRICTS.	9277 87610 76911 39888	25 53 25	13 35 8	1 4 8 2	10	A B B A	1 1 1 1	3 -	2	1.1	4 1 1,1	2 -		2 1 1	1	1 2 1	1114
St. George Bloomabury - N.R. St. Giles South WH N.R. St. Giles North H N.R. St. Martin-in-the-Fields HH N R. & C. St. Mary-le-Strand H N.I. St. Clement Danes H - Strand Union Workbouse, Edmenton w.	16681 14864 13837 17509 7515 8559	9 9 8 4 1 1	12 2 6 2 1 4	3 - 2 - 2	2 - 1 1		111111		1111111	1 - 1			111111	95 * 1	1	1 -	3 1 3 - 1 4
St. Geothe-Martyr HHHHHHH N. R. 8t. Andrew Eastern W N. R. 8affron Hill H - N. R. 8t. James Clerkenwell - N. R. Anwell Clerkenwell - N. R. Pentonville - N. R. Goswell-street - N. R. City-road HHL - N. R. Whiteeross-street - N. R. Finsbury - N. R. Holborn Union Workhouse, Mitcham w.	17516 19281 14773 17506 11541 18628 9217 7468	5 1 10 6 9 11 8 16 1	7 3 2 9 6 8 3 2 4 2 -	3 1 2 2 3 J. 2 2 - 1 1	1 1 2 3 - 1 - 2						1 1 2 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			1	1	1	311
St. Botolph H	7198 5358 8396 13666	7 2 1 1 4 -	1 14	-	1 2 1 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	4 1 1 1 1	8 8 9 9	1 1 1 1 1 1	11111	1 1 1 1 1 1	1111	1 1	111111	1 1 -	11

NOTE—The Italie letters placed against the names of the suc-district denote Public Institutions situated therein, namely: W—W house; H—Hospital; L—Lunatic Asylum; L*=Private Lunatic Asylum in which paupers are received; —Workhouse Establish reserving immates from other Destricts than that in which it stands. The Koman expirate significantly the Water Companies which supply the diff sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsen; S. Southwark and Vaunall; L. Lambeth; N. R. River; E. L., East London; and K., the Kent Company.

PER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district urday, 13th September, 1890.

								The	DEA	THS T	egiste	red i	n the	Wee	k inc	ude			
		Enume-			Deat	hs of				1	Death	s fron	a					1	
REGISTRATION SUB-DISTRICTS		rated Popu- lation, 1881.	Total BIRTHS.	Total DEATES.	Intants under 1 Year of Age.	Persons aged 80 Years & upwds.	Small-por.	Measles.	Soarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever,	bimple con-	Diarrhosa;	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Peath,
EAST DISTRICTS. prediteh South HL* xton New Town w - xton Old Town - ggerston WH	N.R. N.R. N.R. N.R. & E.L.	22343 29937 28036 46275	12 24 18 35	5 11 12 19	1 4 5 8	1 4 - 2	1111	- 1	1	1111			1 1 1 1	1111	3 1 4	1 - 1	2 1 1 2	1 4 - 6	-
thnal Green North H thnal Green South - thnal Green East WHL	- E.L. - E.L. - E.L.	51157 34399 41405	50 16 26	15 10 17	8 6 6	- 2	-	2			-	-	1	111	2 2	2	3 2 -	- 6	
telfolds	E.L. & N.R. E.L. & N.R. E.L. & N.R. N.R. & E.L.	22585 15478 17490 9713 6102	13 19 8 2 9	6 10 19 1 2	2 5 4	2 3 1 1	11111	1 - 1	1111	1	11111		1	1 1 1 1 1	1 3 1	1 -	1 -	12	
George's North John, St. George East	- E.L. E.L. & N.R.	88747 8410 10395	20 7 9	12 9	4 2 9	3 4	- 1	1 1 1	6 9 1	-	- 1	-	1		1	1 - 1	2 1 3	6 9	-
adwell H teliff	- E.L.	16107 32041 87960	11 28 28	8 7 10	3 3	1 2	-	3 4	1	-	-, 1		1 1 1	1.1 1	- 2	-	2 -	1 1 1	1111
le End Old Town East F w L* omley wwwH - plar WWH -	YwwH-E.L. - 'E.L. - E.L. - E.L.	87653	46 29 55 44	31 17 28 17	8 8 6	11 4 8 8	1 1 1	2		1	- 1 1		1	1 11 1	1 1 1 1	1 1 -	5 3 5 2	6 2 8 1	1
SOUTH DISTRICT STATE OF THE PROPERTY OF THE PR	WH L, & S.	13663 14999 21381 15958 21318 26672 59555 21623	7 9 17 10 15 19 29 24	2 7 6 12 7 9 15 8	1 2 1 3 4 3 5 3	1 1 1 3 -	Cirrinia.			111111	- 2 8 1	1	1	111111	1 -4 -8 1 1	171111111		25	1 - 1
odave WH	. 0	11956 16300 15669 54682 36024	7 11 9 29 34	12 4 7 23 13	1 5 8 3	2 2	11111	1	1	11111	1 -	11111	1111		1 - - 5	4 - 1 1 -	4 - 3 -	9 - 4	11111
aterioo-road ist H - aterioo-road 2nd H - ambeth Church 1st H ambeth Church 2nd WW annington 1st - annington 2nd - citaton W - orwood W -	L. & S. L. & S. L. & S. L. & S.	15195 16351 19876 89859 45282 35382 62887 19017	11 23 11 83 39 21 42 8	6 6 18 25 15 8 21 2	1. 3 5 2 5 2 6 -	1 2 9 4 2 7 2	111111		1	1111111	1	11111111	- 2		1 2 -	1 1	1 2 -	2 14 16 - 1	1 1
ast Battersea —— Fest Battersea WwH— Iapham H— Vandsworth WHL Liney —— Line	8. 8. 8. 8. L.	54675 52587 86380 28004 13235 25553	45 66 26 34 8 29	14 14 12 15 3	7 3 2 1 1 3	2 4 8 1 - 5	111111	1 -	11111	.1	1		1.1 10 10 10 10		1 1 1 1 1 1 1	1 - 1	1 1 1 1	3 - 2	1
ulwich	- L. & S. S. & L. S., L., & K. - L. & S.	71089	1 41 44 56	28 32 16	- 8 10 -7	7 12 1		2	1	- 2	- ! !		1 -	1 - 1	3 3 3	1	1 1	111	1 -
Paul Deptford of - Nicholas Deptford - reenwich West H - reenwich East WHH	K. K. K.	76752 7901 21972 24608	63 2 17 24	27 4 8 25	5 3 4 7	8 - 2 5	17.11	1 -	2 -	1 -	- 1	1 1 1 1	1111		2 1 1 -	1	1 -	2	3 1 -
ltham H ese H ewisham WH	- K. - K. - K.	5048 21559 19865 26076	1 15 19 18	5 8 10	1 1 3	3 3 2	1111	1 1 1			2 2				- 2	- - 1	- 1	1	- 1 -
narlton HH Voolwich Dockyard - Voolwich Arsenal HH lumstead, West H - lumstead, East W -	- K. - K. - K.	10930 17617 19045 14009 19241	7 13 10 10 30	5 3 7 10	- 3 2 2 5	1 - 1 2	1111		1111	11111	1,1111		1	1 1 1 1 1	3 2	1 1 1 1	1 -	- 2	1
ospital Ships and Camp, I Vinehmore Hill Hospital aterham Asylum — earenth Asylum — eavesden Asylum — sanstead Asylum — sanstead Asylum — ano Hill Asylum — alaweil Asylum — daweil Asylum — daweil Asylum —	Dartford -	=		771168888888888888888888888888888888888	111111111111111111111111111111111111111	3 - 11	1 1 1 2 4 4 5 4 1 4	1111111111	1111111111	111111111	11111111	11111111	1111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				7 1 6 3 3 5 2	4111111

TABLE 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums).

AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 13th September, 189

Regis-		Area				_			The D	EATHS	regist	ered in	a the '	Week i	inelude			
tration District		Acres, inclu-	Enume-			Dea	ths of	-			Death	s from						
and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhose.	Violence.	Inquest Cases.	Deaths in Public	Uncertified Causes
LON	DON-OUTER RING	370,924	950,957	767	331	89	78		7	4	7	8	5	24	-8	19	25	
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	10 6	2 2	-	1	-	-	-		1 1	-	1 1	-	-	-	
87:1	Godstone (part of) * -	2754	1235	-	-	-		-	-	-	-	-	-	F	Ŀ	-	-	
38:1	Croydon Ww L - Mitcham w	20851 11697	101241 17982	78 6	28	6 -	8 -	1	-	-	-	-	-	3	1	1	3	1
89:1	Wimbledon HHH -	3220	15950	.8	4	-	2	-	1	-	-	7	-	-	-	-	-	
8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	19	8 4	1	1	-	-	-	-	1 -	-	7	-	-	-	
40:1	Hampton H	4873 2272	18539	8 5	4	2	1		-		-	-		-	1	1 -	-	
2	Mortlake	2941	12381	8	8	3	1	-	-	-	-	- 1	-	1	-	1	-	
47:1	Bromley (pt. of) * HH Chishrst(pt.of)* WHH	15669 14807	81142 15844	17	8	8 -	1 1	-	-	-	-	-	-	1 -	1 -	1 -	-	
42;1	Bexiey H	18487	24184	19	6	1	-	-	-	-	-	-	-	- '	-	-	-	
124: 1	Dartford (Ww, pts. of)* Sunbury **	11055	11683	3	1	1		_		-	-	_		-			-	
	Staines W	18277	12089	4	4	-	3	-	-	-	-		-	1	-	-	1	
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 3225	7	2	-	3 1	-	-	-	-	-	-	7	-	-	-	
8	Hayes wHL	14587	11528	8	2	1	1	-	-	-	-	-	-	-	-	-	-	
126: 1	Isleworth WHH - Twickenham H	7008 2477	22727 12479	18	9 5	2	8	-	2 -	-	-	1	-	2	-	-	3	
8	Brentford HL	4845 1840	27649 1597 <i>5</i>	.21 4	8	1	3	-	-	-	-	-	-	-	-	1	1	
5	Acton wH	6088	22876	17	5	1	1	-	1	1 -	1	-	-	1	-	-	-	
127:1	Harrow H Edgware H	13809 - 6994	12796 3749	5	2	-	-	-		-	1	-	-	-	-	-	-	
8	Willesden	4383	27453	48	10	3	1	-		-1	1	-	-	-	-	1	_	
137 : 1	Hendon W	9351	10484	7	7		5 2	_			-			1	-	1	. 8	
2	Watford (W, pt. of) -	-		-		- 1	-	-	-	_	7	-	-	-		-	-	
128:1	South Mimms Barnet	1:599 8488	6391 10092	6	1	1 1		-	-		-	-	~	-	-	-	-	
3	Finehley HL	4688	17615	10	8	8	2	-	-	-	-	-	-	1	-	-	-	1
185:1	Hatfield (part of) * - Hornsey H	8306 8039	588 37078	w .	-	- 2	-	-	-	-	-	-	-	-	-	-	-	
2	Tottenham H	4642	46456	29 55	9	4	5	-	-	-	-	-	-	1	-	1	1	
3 4	Edmonton Ww - Enfield WH	7483 12653	23463 19104	30 16	12	8	2	-	-	-	-	2	1	1	7	1	2	
5 5	Waltham Abbey Cheshunt	11017 8480	5368 7735	3	2	-	1	-	-	-	1	-	-	-	-	-		
186:1	Stratford	883	38606	3 24	11	5	1	-	1	1		-	-	1		-	-	
2 8	West Ham wwH - East Ham ww	4055 8296	90847 10706	117	48	14	6	-	1	1			-	4	2	8	-	1
4	Leyton WwL	4372	32480	22 87	12 25	6	1 8	-	1 -	-	3	1	2	3	-	1	8	1
197:1	Walthamstow H ~ Chigwell (part of) * H	6520 11761	28869 9669	85	16	8	-	-	-	-	-	-	2	-	1	1	-	
3	Epping (W, pt. of)		-	7 -	8 -	2 -	1 -	-	-	-	-	1 -	8. 6	-	-	-	-	
189:1	Romford (part of) * W	6730 8498	3411 7645	8	1	-	-	-	-	-	-	1	-		-	-	-	
	Barking Town	4127	9208	9	9	3	2 2	-		1	-	-	-		-		-	

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:
30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Brounley sub-district, except the parishes of Cudham and Knockholt (pop. 1818); 41:2, Chisichurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatdels sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-districts also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 13th September, 1890.

Атеа						The Da	ATH	rogi	stere	d in i	he W	eek	inolu	le	
Acres,	Estimated			DEATHS	Deat	hs of]	Death	s fro	m			Public lons.
tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.	Deaths in Pu
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	_	13.	14.	15.	-
448,331	5,758,500	15*8	2.7	1741	484	380	_	46	22	25	43	24	141	63	385
77,410 370,924	4,421,661 1,336,839	16.6 12.9	2.9	1410 331	395 89	302 78		39	18	18	35 8	19 5	117 24	55	360 25
	Acres, including tidal water and foreshore. 1. 448,334	including didal water and foreshore. 1. 2. 448,334 5,758,500 77,410 4,421,661	Acrea in Acres including tidal water and foreshore. 1. 2. 3.	in Acres, including tidal water and foreshore. 1. 2. 3. 4. 448,334 5,758,500 15°8 2°7 77,410 4,421,661 16°6 2°9	Area in Acres, including tidal water and foreshore. 1. 2. 3. 4. 5. 448,334 5,758,500 15°8 2°7 1741 77,410 4,421,661 16°6 2°9 1410	Acrea in Acrea in Compulation, middle of water and foreshore. Estimated Population, middle of water and foreshore. Estimated Population, middle of Water and foreshore. From All Causes. From Diseases in Cols. S-14. Causes. 1	Acrea in Acrea in Acrea in Country per 1000 living. DEATHS from ALL CAUSES. Discass from ALL CAUSES. In Cols. S-14.	Acrea in Acrea in Acrea in Estimated Population, middle of water and foreshore. Estimated Population, middle of water and foreshore. Estimated Population, middle of water and foreshore. Estimated Population, middle of water and foreshore. From Diseases in Cols. From Diseases in Cols. CAUSES. Infants Porsons and of Age. Venra and of Age. Venra and of Age. Venra and of Age. Section 15.8 2.7 1741 484 380 - 484 442,661 16.6 2.9 1410 395 302 - 482,000 1820,000 182	Deaths of Deat	Acrea in Acrea in Causes Estimated including tidal water and foreshore. Estimated including tidal water and foreshore. Estimated including tidal water and foreshore. Estimated including tidal water and foreshore. From All Causes. From Causes. Fr	Acrea in Acrea in Estimated population, middle of water and foreshore. Estimated foreshore. Estimated Population, middle of water and foreshore. Estimated Population, middle of water and foreshore. From Diseases in Cols. From Diseases in Cols. From Diseases in Cols. S-14. 5. 6. 7. 8. 9. 10. 11.	Deaths of Deaths from Death of Deaths from Death of De	Acrea in Acrea including tidal water and foreshore. Estimated foreshore. Estimated foreshore. Estimated foreshore. Estimated foreshore. From All Causes. From	Acrea in Acrea in Color including tidal water and foreshore. Estimated Is90. Estimated From Licases In Color Causes. From All Causes. In Color Causes. Cau	Acres in Acres including tidal water and foreshore. Estimated Population, middle of water and foreshore. Estimated Population, middle of water and foreshore.

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

		00	, 0				408					
	POPULATION				ANNUAL	D.	EATH	s FROM	r Prin	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE	BIETHS. Exclusive	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrheal Diseases.
LCUTTA -	- 433,219	August 2		215	25*9	2	1	_	1	3	78	30+
OMBAY .	- 773,196	,, 19	316	347	19.4			P	9	5	105	33+
ADRAS -	- 398,777 {	July 18 25	376 376	318 331	41'4	-	9	2	2	2	84	71+
ARIS	- 2,260,945	September 6	1035	903	43°1 20°8	1 5	19	?	26*	?	83	79†
RUSSELS - h 8 Faubourgs	- 477,288	39 6	189	180	19.6	1	-	-	26*	10	19 3	138 31
MSTERDAM	406,302	i 6	254	139	18.0		4	_	2	4		2
OTTERDAM	- 203,486	,, 6	156	82	23.5	_	-	1		. 2		1
HAGUE	• 156,497	55 6	106	75	24.9	-	6	-	-	-		
PENHAGEN	- 312,387	, 6	183	125	20.9		1	4	2	4		15
OCKHOLM	- 236,350	August 30	142	69	15.5	_	~	7	1	4		16
TRISTIANIA	- 143,300	September 6	49	49	17.8	_		1	1	1	-	9
. PETERSBUR	842,000	August 30	-	392	24.3	3	7	9	8	5	9	77
BRLIN -	1,526,887	,, 23	910	926	31.2	1	.4	. 8	21	6	4	386
AMBURG (Stat	575,276	30	424	268	24.3	-	5	1	9*	4	4	56
	- 269,250	" 30	147	133	25'7	-	1	-	5*	~	-	40
RESLAU .	324,400	September 6	216	198	31.9	-	274	7	6*	5	-	62
	298,000	" 6	-	183	32.3	-	2	3	5*	1		65
	822,176	" 6	423	305	19.3	-	. 8	3	6	2	1	48
	314,425	,, 6	-	162	26.9	-	3	4	3	1	2	11
	463,017	August 30	294	243	27.3	-	-	7	14	1	-	59
LIESTE -	160,092	September 6	77	73	23.7	-	-		1	-	1	15
	418,217	July 26	246	165	21.3	-	2	1	1	-	12‡	22
JRIN (10 days)	314,827	August 10	-		-	-	-			-	-	-
MICE -	156,515	,, 23	93	96	32.0	5	1	940	-	-	1	24
LIRO .	874,838	,, 14	386	337	46.8	-	_	_	4*	2	17	138
EXAMDRIA	231,396	. 14	146	188	42.2	1	-	- 1	=	1	12	57
W YORK	1,617,997	00	_	751	23.9		12	4	14	16	12	147
200	859,612	, 23		369	23.1		4	2	6	7	4	67
HLADRLPHIA		23		415	20.3	_	_	3	8	9	11	52
LITIMORE	500,343	23	_	141	14.6	_		-	8	4	5	17
EW ORLEANS	254,000	" 16	-		-	_	-	-	-		-	
			H	1		1						

Including deaths from croup.
 Including 4 deaths from cholera in Calcutta, 1 in Bombay, and 10 and 17 respectively in Madras.
 Including 7 deaths from malarial fever.

TABLE 9. -- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 13TH SEPTEMBER, 1890. [Under the Superintendence of the Astronomer Royal.]

Wind as deduced from Anemometers.	Osler's. Osler's. Pressure on the Squars Foot. Robinson's. Robinson's. Robinson's. Robinson's. Robinson's.		SE, 0.2 0.0 0.0 135 —134 0.00 0.0	0.0 0.0 92 -179 0.00 0.0	0.0 0.0 114 -160 0.00 0.0	0.0 141 -136 0.00 0.0	0.1 242 - 37 0.00 0.0	117 -164 0.00 0.0	98 -184 0.00 0.0	Sum Sum Sum 9:00 0:0	25 26 27	of the barometer is 159 feet above the mean level of the sea; no che restings to reduce to sea level.	thermometer, d from a discuss the barometer,	thing the whenly years counting tools to the currected mean of the readings of the maximum of the dry bulb thermometer is combined the corrected mean of the readings of the maximum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and were bulb thermometers by Glaisher's Hygre.	The rectaed table to the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement records made at Greenwich during the 20 years ending 1868, and that of horizontal movement	the art from the accussion of a data factor and a data factor and the art from the accusing the coloring and 25 it will be borned in much that + indicates "higher," and — "Loney," has the average. — "In the data factor in the water of the Thomas are susmented at a denth of two fact below	the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.	is derived from Thomson's self-registering Electrometer. The positive; N. negative; w. weak; m. moderate; s. strong; and	Stokes Sunshine Instrument, show to be understood as applying to the	vil day, or from miduight to midnight. The reading of the barometer increased from 80.26 in. at the beginning of the week to 30.30 in.
	sler's. Pressure on the Square Foot.	Great. Least. horizontal Depar- est. Least. horizy on each Aversage obs. Day. I O'Versus.	1bs. 1bs. 1bs. Miles. Miles134	0.0 92 -179	0.0 114 -160	141 -136	242 - 37	-164	-184	Sum -994		in level of the se	b thermometed from a discutte the baromete	s of the max rature of th idity are de Glaisher's H	the photograizontal mov	des "higher,	t at Deptford ructions fron	Electrometer.	hine Instrument,	of the week to 30
Wind as deduced from Anemometers.	sler's. Pressure on the Square Foot.	Great. Least. horizontal Depar- est. Least. horizy on each Aversage obs. Day. I O'Versus.	1bs. 1bs. 1bs. Miles.	0.0	0.0	141	242				22	in level	b the	s of gratu idity Glai	the	Ses +	t at I	Electirate;	hine Inst	of the w
Wind as deduced from Anemometers.	sler's. Pressure on the Square Foot.	Great. Least. Mean of 24 est. hourly obs.	lbs. lbs. lbs. 0.0	0.0	0.0			111	86	m 39			or	ing npe num	hod	dicad	rke	, ee		-
Wind as deduced from Anemometer	sler's.	Great. Least. Mean of 24 est. hourly obs.	lbs. lbs. 0.0			0.0	H			200	24	el.	the wet k ions dedi	the read to the control of the contr	discussio d that of	hat + inc	attle Ma under in	registerir ; m. moc	es Suns	eginning
Wind as deduced from Anen	sler's.	Great. Least.	lbs. lbs. 0.0				0	0.0	0.0	:	23	t above	r, and correct	nean of the value	rom a. 868, an	nind t	eign Carket,	s self- weak	Campbell-Stokes oh day.	t the b
Wind as deduced from	sler's.	Great.	108.		0	0.0	0.0	0.0	0.0	:	29	159 fee	omete on of nty yea	octed rected radius daily	ived f	ne in re	the M	omson	umpbe day.	26 in. a
Wind as dedu	Osler's.		-	0.1	0.0	0.3	ž.I	0.0	0.0	:	21	to redu	therm plication	e corrections of the corrections	at der	be bor	s of the	negatir	the Ca on each servati	m 30.5
	Jeneral Dir		ENE. & ESE.	SE. & SSE.	SW. & SSW.	Variable. 0	NW.&NNW.	Variable. (SSE. & ESE.		20,	the barome	the dry bulb ues by the ap ide during th	combined the forming the dew point te	the air is th ring the 20 ye	nd 25 it will the The	of the jetties by the Cler	s derived fro	lerived from ht sunshine c prological obs	midnight.
1-00		А.М.	Calm & ENE. E	Calm & SE. S	Calm & SW. S	Calm & SW.	N. WSW. & N.		Calm. SS	Variable.	19	cistern pplied t	ne barometer, nean daily val	y years count hermometer is hermometers, a mean daily daily values o	etrical Tables. The average temperature of cords made at Greenwich du	or the air from a discussion of in reading the columns 9 at - "lower," than the average. The thermometers in the wa	the surface, at the end of one their readings are registered Corporation of London.	The record of Electricity is derived from symbols employed are:—P. positive; N. neg. v. variable.	The numbers in column 29, derived from the Campbell- the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are	civil day, or from midnight to midnight. The reading of the barometer increased
r mon	Water hames	Low.	9.19	9.19	61.8	£.19	9.19	0.59	62.1	61.7	18	The height of the rrection has been a	gs of the	oulb the num). The	metrical Tables. The average te records made at (ng the	e, at the	ord of	abers i	or fron
ATURE	Of the Water of the Thames at Deptford.	High-	8.79	9.79	6.59	9.79	9.79	9.79	62:3	62.7	17	ne heig	readin erted	minin minin umn 8	rical 1 ne ave rds ma	readi lower,	surfac r read poratic	The reco	aggree	day,
TEMPERATURE.	1	Lowest on the Grass.	43.4	8.1%	42.2	43.0	40.5	39.5	61.5	2.15	.18.	E COLL						8 ×	4	civi
3	Of Radiation.	High- est in Sun's Rays.	137.6	133.2	0.911	132.3	0.831	118.8	124.2	126.4	15		clouds	M. and	about.	M.; gene- cloudy in	s, with	n after-	artially	- 1
- Lewise and the second	Degree of Hu- midity (Satu-	ration equals 100).	84	78 1	87 1	76 1	68 1	78 1	81 1	79 1	14	5/2	w light	en 5h. A	ast till and sh.	oh. A.M.	terward st night	e haze i	ning; 1	
Under the Supermending	ature nt e.	Least.	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.1	18	IARK	ing; fe	between	overcast 1. A.M. and	M. and g	fine aff	; dens	in morn night.	. 3
ממ שניי	Temper Dew Poi	Great.	18.0	18.9	16.8	8.61	0.02	17.8	18.0	18.4	12.	L RED	in morr	e; foggy	y morning; between 6h.	srnoon ;	very	loudless	Hoggy j	e 1
Under	Difference between the Air Temperature and Dew Point Temperature.	Mean daily value.	4.9	1.1	8.00	7.8	10.1	6.9	2.0	2.9	11	GENERAL REMARKS	udless at	ery fine	early m fog bety	betweer till atte 88 at nig	rning; li eveni	generally cloudless; dense haze in after-	ss and g; clou	
_	Of the Dew Point.	Mean daily value.	53.7	53.5	6.79	54.5	20.0	8.02	51.8	2.59	0,1	GE	ne; clouy;	ss and v	with the	diess tog	in mo		cloudless and Hoggy in morning; partially levening; cloudless at night.	
E.		De- parture from Average of 20 years.	0.4	+ 1.8	7 0.5	0.7 +	+ 5.6	- 0.3	0.3	+ 1.1	6		Very fine; cloudless in morning; few light clouds during day; cloudless at night.	Cloudless and very fine; loggy between 5h. a.m.	Cloudless in early 11th. A.M., with fog very tine afterwards.	Very fine; fog between 8h. A.M. and 9h. A.M.; rally cloudless till afternoon; partially clou evening; cloudless at night.	Cloudy in morning; very fine afterwards, variable clouds till evening; cloudless at night.	Very fine;	Fine; cloudless and Hoggy in mor	
RATURE		Mean daily value.	9.89	9.09	28.1	6.3	2.09	21.1	57.5	20.4	00	above izon, ours.		13.0	13.0	6.51	6.7	12.8	12.7	8um 90.4
TEMPERAT	Of the Air.	Daily Range.	0.61	6.86	25.5	29.1	23.3	22.3	2.56	25.0	4	By Hor	13.1	P .	E .	1	12	2	112	
		Low.	50.2	1.95	6.44	48.4	49.5	47.5	6.95	48.2	8	Registered Sun above Sunshine, Horizon, in hours.	6.4	10° 0° .	2.6	9.8	4.0	4.1	4.4	Sum 48.6
		High.	72.7	6.54	73.4	17.5	72.5	8.69	9.11	73.5	10			•	on ba		,	:-a		
BARO-	Mean daily reading	rected and re- duced to \$2° Fahren- heit).	fn. 30.286	30.540	30.128	29.987	30.000	30.087	30.065	30.115	4	ELECTRICITY. (For explanation of symbols, see Note.)		•	w. P. till evening; m. P. afterwards.			w. P. generally; a little w. N. in afternoon.		
	Phases	Moon.	. :	Greatest Dec. N.		Apogee.	:	:	:	:	00	ELE (For ex	w.P.	w. P.	w. P. aft	W. P.	W. P.	w. P.	W. P.	
-		8	ZR.	- 00	6	10 7	11	12	13				t-	00	0	10	T T	12 II	13	
	1890.	MONTH AND DAY.	SEPTEMBER.	Mow.	TUES	WED	THURS	FRI	SAT.	MEANS	No. of Col.	DATE.	SUNDAT .	Monday .	TUESDAT .	WEDNESDAY	THURSDAY.	FRIDAY .	SATURDAY.	

OFFICIAL COPY.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 38. 1890. Vol. LI.] WEEK ENDING SATURDAY, SEPTEMBER 20. [Price 1] d.

General Register Office, Somerset House, 22nd September, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in Twenty-eight Great Towns of England and Wales corresponded to an annual rate of 19·1 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks endin	g		1		Weeks	ending	3
Towns.	Aug. Sept. Sept. 30. 6. 13.	Sept. 20.	Towns.		Aug. 30.	Sept.	Sept.	Sept. 20.
Birkenhead	19.9 18.4 19.9	17.9	Liverpool -		25.5	22.2	22.8	22.1
Birmingham	21.7 17.6 21.2					17.9		
Blackburn -	15.2 20.3 15.6	30.0	Manchester			30.4		
Bolton -	22.5 22.1 20.3		Newcastle-on-Ty	7ne	35.2	22.1	21.8	26.6
Bradford -	18.6 14.1 13.2	المكافئات	Norwich -	-	20.8	22.4	17.6	15.3
Brighton -	19.8 14.8 19.4		Nottingham	-	12.6	13.6	13.4	15.8
Bristol -	11.2 14.1 15.9		Oldham -	-	16.3	14.6	22.4	19.9
Cardiff -	29 4 22 7 19 6		Plymouth -	-	17.2	15.9	27.8	19.9
Derby -	16.0 15.5 19.6	12.9	Portsmouth	-	20.1	24.1	19.3	18.2
Halifax -	13.3 19.1 17.2		Preston -		29.7	25.3	23.3	35.7
Huddersfield	17.1 12.7 22.7	17.1	Salford -	-	23.7	22.4	19.6	20.9
Hull	20.7 21.9 19.0	23.7	Sheffield -	-	28.2	18.3	23.5	25.2
Leeds -	18.3 18.5 17.5	21.9	Sunderland	-	22.5	24.8	21.8	27.9
Leicester -	20.9 20.3 20.9	17.9	Wolverhampton	-	18.1	28.1	21.3	20.0

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·3 in Plymouth and in Wolverhampton, and 1·6 in Manchester; from scarlet fever, 1·4 in Liverpool; from whooping-cough, 1·1 in Huddersfield and in Sunderland, and 1·6 in Norwich; from "fever," 1·3 in Blackburn and in Halifax, and 2·0 in Plymouth; and from diarrhæa, 3·8 in Sheffield, 3·9 in Hull, 5·3 in Sunderland, and 11·4 in Preston. The 63 deaths from diphtheria included 35 in London, 8 in Salford, 4 in Manchester, 4 in Cardiff, 3 in Liverpool, and 2 in Newcastle-upon-Tyne. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2355 births and 1375 deaths were registered. Allowing for increase of population, the births were 328, and the deaths 27, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined in the preceding three weeks from 19.6 to 16.6, further fell last week to 16.2. During the past twelve weeks of the current quarter the death-rate averaged 18.2 per 1000, being 0.8 per 1000 below the mean rate in the corresponding periods of the ten years 1880–89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 63356.-12, 635.-9/90. Wt.

The 1375 deaths included 33 from measles, 14 from scarlet fever, 35 from diphtheria, 38 from whooping-cough, 21 from enteric fever, 94 from diarrhea and dysentery, 3 from cholera and choleraic diarrhea, and not one from small-pox, typhus, or ill-defined forms of continued fever; thus, 238 deaths were referred

to these diseases, exceeding by 16 the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 5; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The 33 deaths from measles showed a further decline from the high numbers recorded in recent weeks, but were 16 in excess of the corrected average. The fatal cases of scarlet fever, which had been 18 in each of the previous two weeks, declined last week to 14, and were 24 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1596 scarlet-fever patients at the end of last week, the numbers on the preceding four Saturdays having increased from 1427 to 1539; 211 cases were admitted during the week, against numbers increasing from 118 to 210 in the preceding six weeks. The deaths from diphtheria, which had been 16 and 18 in the previous two weeks, further increased last week to 35 (including 8 in Pancras sanitary area), and exceeded the corrected average by 12. The deaths from whooping-cough, which had numbered 46 and 35 in the preceding two weeks, increased again last week to 38, and exceeded the corrected average by 9. The 94 deaths from diarrhea showed a further considerable decline, being, however, 8 above the corrected average; 83 were of children under five years of age and 10 of persons aged 60 years and upwards. One death was attributed to English cholera, one to cholera nostras, and one to choleraic diarrhaa.

The fatal cases of enteric fever, which had been 18 in each of the preceding two weeks, increased last week to 21, exceeding the corrected average by one. The Metropolitan Asylum Hospitals contained 131 cases of enteric fever, and one of typhus, on Saturday last; 20 cases of enteric fever were admitted during the week, against 36 and 25 in the previous two weeks. There were also five cases of enteric fever under treatment in the London Fever Hospital, two of which were

admitted during last week.

The deaths referred to diseases of the respiratory organs, which had been 180 and 210 in the preceding two weeks, declined again last week to 187, and were 3

below the corrected average.

Different forms of violence caused 43 deaths, concerning all but 2 of which inquests were held. Of these 43 deaths, 3 were cases of suicide, and 2 of murder or manslaughter, while the remaining 38 were attributed to accident or negligence. Seven of these (including one by fall from bicycle) were caused by horses or vehicles in the streets, 5 by burns or scalds, 9 by drowning, and 8 (including 7 of infants under one year of age) by suffocation,

GREATER LONDON.

In Greater London 3123 births and 1717 deaths were registered, corresponding to annual rates of 28·3 and 15·5 per 1000 of the estimated population. In the Outer Ring 30 deaths were referred to diarrhea, 11 to whooping-cough, 9 to "fever," and 6 to diphtheria. The deaths from "fever" included 2 in West Ham, 2 in Walthamstow, and 2 in Tottenham sub-districts. Of the deaths from diphtheria, 2 occurred in West Ham and 2 in Leyton sub-districts. Three deaths from scarlet fever were recorded in Brentford sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.78 ins.; the highest reading was 30.07 ins. at the beginning of the week, and the lowest 29.49 ins. on Saturday morning. The mean temperature of the air was 60°.4, and 3°.3 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on every day of the week, the greatest amount of excess being 5°.2 on Tuesday. The direction of the wind was variable, and the horizontal movement of the air averaged 7.9 miles per hour, which was 3.6 miles below the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of 0.34 of an inch. The duration of registered bright sunshine in the week was 50.7 hours, against 47.7 hours at Glynde Place, Lewes.

TABLE 1.-BERTHS, DEATHS, and METHOROLOGY in 28 GREAT TOWNS, during the Week ending 20th September 1890.

				Ī					OM.																					1
	CITIES	AND BOROUGES.	Cols.	- 28 TOWES.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL. WOLVERHAMPTON	BIRMINGHAM.	LRICESTER.	NOTTINGHAM.	DERBY.	SIEKENHEAD,	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURK.	HUDDERSFIELD.	HALIBAX.	BRADFORD.	LEEDS.	THE FIRED.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGE.	GLASGOW. DUBLIN.	
RATMBATT	A PRIN.	In Centi- n.etres.	24.	1.27	98.0	1 00	0#0	2.64	2.16	1	1	₹6.0	1	1 0	00.1	1		1		1	1	94.0	1	8 000	78.0	R t	1	26.0	2.6.7	
BATA		In Inches.	200	0.20	0.34	1 000	1 10	1.04	0.82	1	1	0.37	1	1 0000	00 1	.4	ı	1	1	1 1	1	0.30	ı	1 000	0000	3 1	,	0.38	1.15	
R AIR.	Mean.	.ebsrgitne(22.	14.61	15.78	14.00	- TH 00	14.89	13.78	1	ı	16.11	1	4.70	0	1	1	1	3	1	1	4.28	1	1 000	70.6L	1 5	1	15.06	13.67	
R OF TH	M	·tiednerds)	21.	58.3	₹.09	1 01	, 00	58.89	56.8	1		0.19	1	0.02	0 1	1	1	1	8	1 1	ı	1.19	8		D 00 00 00 00 00 00 00 00 00 00 00 00 00		1	59.1		
TEMPERATURE OF THE AIR.	.1	Fabrenheit Lowes	20.	41.2	8.95	40.0	0 1	53.0	43.5	,	1	2.19	1	1 00	F 25	•	1	1	1 .	1 1	1	9.95		1 000	0.00		1	46.2		
TBMFE		Higher H	19.	75.5	2.92	40.00	0 '	69.5	72.0		1	24.8	1	1 E	- 1	1	1			1 1	1	8.11	ı		0.04		1	73.8		
Annual Kate per 1006,	the Deaths	From Diseases in Cols. 6-12.	18.	3.7	2.8	x x	9 99	9.9	3.1	3.8	2.2	2.00	9.1	2.0	_	6.5	2.2	8.9	7.0	00 1	6.1	9.7	6.8	-	1 6	_	6.4	1 6.1		-
Annua per 1	Week's.	From All Causes.	17.	1.61	16.3	18.9	15.3	6.61	14.4	0.61	6.41	15.8	12.9	R. 1.7	2.02	9.18	6.03	19.0	30.0		8.41	14.1	6.13	25.2	1.07	2.80	24.1	16.7	24.0	
	.dias	offitteenU offit means	16.	58	12	1 1	1	1	ල I	43	67	~	1	1 0	-	41	1	6.1	-10	0 1	-	_	63			-	1 01	14 1	-	
		Deathain Public Institution	15.	589	\$59	x 4	eo F	4	φ m	31	4	7	63 .	90	4	37	2	93	4 0	0 4	10	7	0	= "	ه وت	2 0	9	-	36 14 11 1	urn.
		aaU taanpul	14.	225	550	4 4	H 64	63	∞ - 1	7	67	10	\$D	20 00	7 4	13	63	67	l	ت 1 -	c3	6	H	90		0 0	00	-	e 4	s Ret
nde	T	Violence.	13.	120	43) p	-	c3 .	9 1	67	1	10	07 1	20 00	9 14	4	-	1	H ,	* 1	7	10	00	63 1	٥ ,	7	F 10	4	9 10	See note on first page of this Beturn
The DEATES registered in the Week include		.smdrraid	12.	373	94	- 6	9 90	4	4 00	21	9	6	60	23 0	9	24	10	03	7	2 60	1	11	19	24	97	# O	0 10	9	8F 4	t page
he We		Ferer.	11.	49	21	1 1	1	63	1 1	FO	1	1	1	1 00	0 1	00	1		20 -	4 1	67	Н	03	- 0	27 0	4 -	- 1	-	eo 44	on fire
ed in t	from	Whooping-	10.	72	00	1 1	00	1	1 1	4	г	ಣ	1	1 0	4		64	Н	67 r	- 67	1	1	Н	10		0	-	4	25 22	note
egister	Deaths from	Diphtheria.	3°	63	65	-	- 1	1	1 1	Н	-		1	1 0	۱ د	4	00	1	ŀ	1 1	н	1	,	,-	1	8 0	2 4	1	∞ H	See
ATHOR	H	Searlet. Fever.	00	47	14	1 1	1	1	H 1	00	1	1	1	1 0	9 1	63	-	٦	1 -	٦ ،	F	1	Н	တ	1 1		- 1	1	00 1	
he DE		Measies.	7.	92	63	- 1	1	67	1 64	03	1	1	1	H 1	- 1	12	00	1	I r	٠.	1	1	00	9	-		-	,	60 60	
F		Small-pox.	6.	1	1	1 1	1	1	1 1	1	1	ı	1		1 1	1		1	1	1 1	1	1	8	1	1	,	1 1	1	1 1	
	0	Persons ages 60 Years and upwards	2.	632	294	0 0	2 00	4	15	24	11	17	00	20 6	3 55	30	10	10	12	9 9	*	10	27	22	15	20 0	9 00	24	32	
	Deat	Infants under of Age.	4.	1111	376	10	10	90	12	19	26	31	1-	01	91	78	33	20	27	1 4 α	1-	25	20	26	36	77.	22	17	59	
during	-		93	3550	1375	80 00	28	08	64	168	53	74	22	93	46	230	26	99	E :	27 55	88	65	153	191	26	97	2 42	187	244	
Registered during	the Week ending 20th Sept., 1880.	BIRTHS, DEATHS.	94	5483	2855	9 0	47	28	143	279	82	111	12	67 0	650	238	134	16	19	2 6	300	106	244	223	121	R G F	75	143	349	
	E	to the middle of the Year 1890.*	1.	9,715,559	4,421,661	123,659	95,352	78,780	232,248 83,406	461.865	154,844	244,909	100,871	105,049	115,846	879,487	242,509	146,716	123,553	94.253	82,034	240,515	368,799	\$32,837	213,833	169 987	117,012	271,135	580,208	
-	~		Cols.		•			•	TON	•	•	•	•				•	•			•	•					•	•		
	CITIES	амь вокопенв.	0	28 TOWNS	LONDON .	BRIGHTON .	PORTEMOUTH NORWICH .	PLYMOUTH .	BRISTOL WOLVERHAMPTON	BIRWINGHAM	LAICESTER .	Notingham.	DERBY	BIRKENHEAD	LIVERPOOL .	MANCHESTER	SALFORD .	OLDHAM .	BLACKBURN .	BIE	HALIPAX .	BRADFORD .	LEEDS .	SHEFFIELD .	STANDERAND	NEWCASTLE -	CAEDIER .	EDINBURGH -	GLASGOW . DUBLIM .	

TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-EIGHTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.**	1890
TOTAL Births Males Females	2599	2330	2544	2470	2498	2438	2409	2507	246 3	2344	2682·8	2355
	1360	1200	1289	1253	1299	1318	1208	1291	1261	1213	1384·6	1161
	1239	1130	1255	1212	1199	1120	1201	1216	1202	1131	1298·2	1194
TOTAL Deaths Males Females .	1441	1279	1450	1286	1315	1091	1273	1164	1298	1267	1401·7	1875
	758	662	756	659	681	551	663	599	677	649	726·3	704
	683	617	694	627	634	580	605	565	621	618	675·4	671

[•] The numbers in this column are the average weekly numbers in the thirty-eighth weeks of the ten years 1880-89, raised by 9'046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

1	ABL	E 3. LONDON.—B	ikins,	DEAL	но, а	nu m	LIEU	ROLUG	# I I I I	the 1	Jast J	LHIRT	EEN	VEEK	,
			June 28.	July J	July 1	July 19.	July 26.	Aug.	Aug.	Aug.	Aug. 23.	Aug.	Sept.	Sept.	Sept.
To)TAL	Births	2359	2480	2472 2	2346	2512	2557	2176	2527	2487	2614	2469	2539	2355
To	TAL	Deaths	1346	1481	1471	1522	1418	1693	1594	1751	1629	1659	1514	1410	1375
1	ges at	0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & upwards	669 155 254 220 48	798 165 239 237 47	800 174 214 231 52	823 157 249 250 43	793 132 227 219 47	938 186 232 277 50	915 171 225 230 53	1019 169 263 246 54	96 t 148 233 235 49	911 190 265 234 59	796 177 240 245 56	687 183 238 256 46	667 200 214 232 62
	9 -	{Under 1 year - 1.—5 - 5.—20	339 256 74	423 281 89	428 281 91	445 277 101	438 282 73	554 286 98	549 294 72	635 294 90	603 292 69	525 282 104	459 217 90	395 217 75	376 227 64
De	2 th 4 77 99 97 97 97 97 97 97 97 97 97 97 97	from Small-pox Measles Scarlet fever Diphtheria Whooping-cough Typhus Enteric fever SimpleContafeve Diarrhœa and Dysentery Cholera all the abovementioned Diseases Dis. of Respiratory System Phthisis Dis. of Circulatory System	51 2 248 206 136	- 100 13 21 57 - 6 2 85 4 288 244 115	99 20 22 66 - 9 - 107 4 327 225 132 108	104 12 19 56 - 6 1 111 1 310 216 150 117	94 13 20 62 2 107 1 299 185 110	82 19 36 45 - 11 177 7 378 215 147 118	95 17 22 37 -11 176 4 363 197 126 119	80 27 15 39 - 16 1 262 10 450 208 129 113	78 16 20 39 - 11 - 255 12 426 203 119 116	60 24 26 39 -17 -180 7 353 184 167 100	56 18 16 46 - 18 1 128 5 288 180 139 120	39 18 18 35 1 18 - 117 5 251 210 136 114	- 33 14 35 33 - 21 - 94 3 238 187 157
In D	eaths EMPI Niea Mea	n of Highest readings .	49 99 299 60.6	66.6	40 100 321 55.7 65.2	49 113 347 61.4 72.1	73.5	74.4	73.8	73.2	69 (105 364 54·4 66·5	71.0		
R	Mea lu nic	n of Lowest readings -	82 - 0.78	84	83 0·86	1	75	77	77	82 0·78	81	80	83	79	74 0·34

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., Ll.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartunp, Esq., F.R.A.S., F.R.Met, H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met, Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.E.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

PP3

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-EIGHTH Week of the Year 1890.

			_'1	HIR	TY-	EIGI	ITH	W	eek	of the Year 1890.									
	r the years	Sa	In turds	the y, 20	Weel th S	k end	ling	1890		₹ 6- 0	for the	Bat	urda	n the	th Se	ek er	nding	1890.	
	20		De	aths	of Po	erson	of	1			ges for		De		of P	ernor	us of		
CAUSES OF DEATH.	Weeks of the 1880-89.*	AGES.		nder 20.		under 40.	under 60.	under 80.	rs and	CAUSES OF DEATH.	Weeks of the I	ES.	U	nde:	r	under 40.	under 60.	under 80.	g and
	Corrected 38th Wee	ALL A	0-1.	1-6.	5-20.	So and t	40 and 1	60 and t	so Years upwards		Corrected 38th Wee	ALL AGES.	0-1.	1-6.	5-20.	20 and u	40 and m	snd	80 Years upwarda
ALL CAUSES	1401.7	1375	376	227	64	200	214	232	62	Diseases of Organs of Special Sense †}	2.5	3	-	1	-	2	-	-	-
Small- Vaccinated; - Unvaccinated	1.8		-		-	-	-	~		Diseases of Circulatory	101.3	136		, 1	8	26	84	54	18
Measles	1.4	83	6	27	-	-	-	-		Croup	11.8	5		3			_	-	-
Searlet Fever Typhus	87.9	14	1 -	9	8 ~	1	-	-		Bronchitle	101'7	111 57	32 17	26 16	2 2	1 8	14	26 6	12
Relapsing Fever †	0°0	1		-	-1	-	-	_	-	Pleurisy - Other Diseases of Respi- ratory System	20.3	10	4	2	1 -	1 -	1	2	1
Whooping-cough Diphtheria	28·6 23·2	38 85	11 3	26 23	1 9		-	-	-	Dentition †	7:4	9	5	4			-	-	_
Simple Continued and \ Ill-defined Fever -	1.0		H		-	-	-	- :		Quinsy, Sore Throat † - Enteritis Peritonitis	2°5 12°3 6°7	15	9	8	-	2 4	1	- 1	-
Enteric Fever Cholera and Chol. Diarr	20.4	21	-	1 1	1	12	3	1	-	Other Diseases of Digestive System	31'0 33'8	29 20	8	-	1 2	7 3	9	7 3	Ŀ
Diarrhoa, Dysentery - Remittent Fevert -	83°0	94	68	15	-	1	-	7	8 -			-	-	-	-		-	_	
Hydrophobia Glanders	0°5	-	-		-	-		-	-	Diseases of Lymphatic System & of Ductless Glands †	.1.9	-	-	-	-	-	-		-
Cowpox and Effects of \ Vaccination † }	0*4	1	1		-	-	-	-		Diseases of Urinary	82.7	30	-		1	7	7	11	4
Venereal Affections - Erysipelas	13·0 6·8	12 7	9	1	1	1 2	1	2	-	System				_	-		_	_	_
Pysmia and Septicsmia † Puerperal Fever	3.1	2 3	-		1	- 8	-	1		Diseases of Generative	4.3	9 5	-	-	-	4	8	2	-
Other Zymotic Diseases †	1.1	-	-	-	-	-	-	-	Ē	Accidents of Childbirth	4.0	-	-	-	1	4	-	-	-
Thrush	2.8	-	-	-	-	-	-	_	Ŀ	Diseases of Locomotive System †	7.5	8	2	1	4	-	1	-	-
Worms and other Para- sitical Diseases}	0.3	1	_	-	-	1	-	-		Diseases of Integumentary System	5.7	8	-	-	-	1	2	4	1
Starvation, Want of Breast-milk †}	2.0	2	2	-	-	-	-	-	-					-	-	-			-
Alcoholism	2.1	6	-	-	-	3	- 8	1	_	VIOLENT DEATHS. (Accident.)									
Rheumatic Fever. }	7.0	4	-	2	-	1	1	ŀ	I.	Fracture and Contusion Gunshot Wound -	23.0	13	2	5	-	8 -	1	2	-
Rheumatism † Gout	1·7 2·6	3 5	-	-		2	1	3	1	Cut, Stab Burn and Scald Poison	0.5 8.8 1.0	5	1	-	-	-	1	-	-
Rickets † Cancer	2.1	9 56	3	6	-	-	-	-	-	Drowning Suffocation Otherwise	8.8	8 3	7 2	2	-	3	1	1 -	=
Tabes Mesenterica - Tubercular Meningitis -	31.4	34 17	25	7	3	8	17	27	8 -			-		-	-	-	-	-	-
Phthisis Scrofula, Tuberculosis -	165.1	157	5	3	10	68	57	14	-	(HOMICIDE.) Murder & Manslaughter	1.2	2	-	-	-	2	-	-	-
Other Constitutional Diseases † }	9.3	10	4	1	1	2 2	2	5	-	(SUICIDE.)						-			
Premature Birth	37.2	31	81	-		-	-	-		Gunshot Wound Cut, Stab	0.9	-	-	-	-	-	-	-	-
Atelectasis t Congenital Malforms -	1.7	5	8	-	-	-	-	-	-	Drowning	1.8	1	-	-	-		1 -		-
tions Old Age	6.2	6 31	6	-	-	-	-	13	18	Otherwise	0.8	1	-			-	-	1	-
Apoplexy - ~	87.6	82	-		-	1	16	13	-	(EXECUTION.) Hanging	0.0								
Epilepsy	8.8	5 31	25	- 8	1. 1 1	3	2	-	-	Manging	0.0	-				-	-	-	-
Other Diseases of Brain and Nervous System	75.0	83	13		5	1	18	22		OTHER CAUSES † -	65.0	63	55	8	-	1	1	2	1
The numbers in this		-	-				-	-	1	Ш			3		1			-	1

en years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

seasof small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When

attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered,

the case is returned under the heading "no statement."

since as inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder,

are, or suicide. All such cases are classed under " accident or uegligence."

A 63356.-12.

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-Fox, Measles, Scare during the Week end

						-						_	duri		-		
	7 '						The	D 3 4	THE			in the	Wat	k ine	lude		1
	Enume-			Deat	hs of			1		1 2	hs fr	om	1		1		9
REGISTRATION	Fopu-	CHS.	THE.	Age.	od 60 pwds			ı.		-sough	1	(or Fever	10.			3.	Publi
SUB-DISTRICTS.	lation, 1881.	Вівти	DEATES	200	a a god	pox.		Fever.	eria.	-Bui		id) F	con-	CBB.	e e	Cases	in
,		Total	Total	Infants Year	ersons Years	Small-pox.	Measles	Scarlet	Diphtheria	Whooping	Typhus.	Enterie (o Typhoid)	bimple ctinued	Diarrhoa	Violence	Inquest	Deaths in Pu
ay on bound, was not opine apparatures and require apparatures and require approximate the apparature of the apparature	-	E4	E4	Y T	Pe	Sugar	Me	8	ia	A	E	NA CONTRACTOR	- 0	Ď	Į,	In	a a
LONDON	3,815,704	2355	1375	376	294		33	14	35	38	-	21	-	94	43	83	328
WEST DISTRICTS	669,633	863	231	51	63		6	-	2	6	-	2	-	12	6	9	78
NORTH DISTRICTS -	905,947	531	814	79	75	-	1	6	15	6	-	7		15	7	20	93
CENTRAL DISTRICTS	782,238 692,788	415	261	18 78	14	-	5	1	2	6	- 1	6	_	25	11	17	32
SOUTH DISTRICTS	1,265,148	902	472	159	95		17	6	9	16	- 1	6	~	41	18	30	73
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA-			12	_	4	-	-	-	-	-		-	-	-		-	12
TION LONDON							-	-		-	-						-
St. Mary Paddington WHH G.J. aW.M	69888	48	24 9	7	4	-	-	-	1	1	-	-	-		-	-	8
St. John Paddington H	37880 120141	12 58	58	1 12	20	-	1		1	-	-	1.		1	2	8	17
Brompton H W.M. & C.	48010 7 <i>5</i> 99	13	9	2	3		-	-	-	_	-	-	-	ī		1	2
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Ww - W.M. & C	64340 42900	48 69	28 22	6	5 3	-	1	-	-	2 -	-	1.	-	1 3	2	2	3 4
Chalman South HHH C.	30896	8	10	8	1	-	-	-	-	-	-	_		-	1	1	2
Chelsea North-west WHHHHH C. C. C.	24925 32807	15	15	2 -	6	H	1 -	-	-	1 -		-	-	1 -	-	1	10
May Fair W G.J. Belgrave WHHH C.	80353 59220	3 27	13	5	7 3	-	1	=		-		-			-	-	11
St. John Westminster HHH - C. St. Margaret Westminster H - C.	85496 24679	25 8	8	2 4	3	-	1 -	-	-	2		-	_	2	1	-	5
St. James Westminster WHH N.R.&G.J.	29941 16608	10 8	7 2	2 -	2	:	1	-		-	-	-		-	-	-	2
St. Anne Soko HHHHHHH N.K. NORTH DISTRICTS.	7.0000																
TTTTTTTTT W	26759 14891	8 2	20	1	4	-	-	-		- 1	-	-		-			15
Rectory Marylebone WH G.J. & W.M.	24809 21118	20	9	3	2	:	1	-	-	-	-	-	H	1 2	-		4
All Souls Maryleoone HIHHH W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HH - G.J. & W.M. Christchurch Marylebone H - W.M. St. Iden Marylebone H - W.M.	88700 88683	23 12	9	4	2	-	-	-		-	-		H	1	1	1	-
St. John Marylebone H W.M. Hampstead WwHHHH - N.R. & W M.	45452	22	30	8	7	-	,-	4	3	-		2	H	1	2	2	11
Regent's Park Pancras H W.M. Totter ham-court wHHHH N.R.&W.M.	391 15 27729	32 16	15	2 2	3	-	-	-	1	-	-		-	1	- 2	~	9 0
Gray's Inn Lane HHH - N.R. Somers Town H N.R.	80247 84369	14 14	8 7	4	2 2	-	-	-		-	- 1	H		1	13	8 - 0	8
Camden Town WH - N.R. Kentish Town W - N.R.	17811 87487	10 65	80	1 9	1 5	-	-		- 2	ī	2	1	-	1	1	2	4
Upper Holloway WWwHH N.R.	67946	52 61	27 28	6 7	8 8	-	-			3		I-I	-		ŀ	1	8
Islington South-west H - N.R. Islington South-east - N.R. Highbury H - N.R.	100976 61895	89 15	19	5	3 4	-	1	-	-				-	1	1 1	3 2	-
Stoke Newington # N.R.	52048 22781	17	10	1	4	-	1	-	1	_	-		H	1	-	H	3
Stamford Hill E.L. West Hackney H N.R.	9277 87610	9 21	8 7	2 2	8	-	-	-		1	-	1	H			H	1
Hackney WwwwH E.L. a.N.R. South Hackney E.L.	76911 39883	53 24	12	10	9 2	-	ĩ	2 -	7	1	-	8	-	1 2	1	8	22
CENTRAL DISTRICTS.	14																
St. George Bloomsbury St. Giles South WH N.R. St. Giles North H N.R.	16681 14864	. 7	6 2	1	2	-	. 5	1.		-	-	-	-	-	-	ī	3
St. Montin in the Fields DUND & C	13887 17509	4	6	2	-	1-	: "	-			-	-	-			-	1
St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	7515 8559	5	1 2	1	1.	-	-	-	-		-	-			-	1 -	4
Strand Union Workhouse, Lamonton W. St. Geo. the Martyr HHHHHHH N.R.	18671	10	14	1	1	-	1	-	-	-	-		-	-	-	-	-
St. Andrew Eastern W N.R.	10706 6588	9 7	1	3		-	~	-	1 -	-	-	-	2 7		-	-	8
St. James Clerkenwell N.R.	17516 19281	6	8	1.	3 2		-	-	-	-	7	-			-		-
Pentonville N.R. Goswell-street N.R.	14778 17506	9 14	6 8	3 2	1	-		1 -	-	- 2	-	-		-		2	-
Gid-street H - N.R. City-road HHL - N.R.	11541 18628	9 29	1 7	2	1 -	-	-			-1	-	-		1 -	-	-	-
Finebury N.R.	9217 7468	7 4	3 4 1	2	ī	-	-	-	-	-		-	-	-		-	-
Holborn Union Workhouse, Mitcham w. St. Botolph H - N.B.&E.L.	11174	-	1 -	1	1 -	-	-	-	-	-	-	5-	[-]	١		-	1
Cripplegate N.t. St. Sepulchra H N.R.	7198 5858	8	14	1	1	-	-	-	-		-	: -	-			-	-
St. Bride W N.R. Allhallows Barking N.R.	8396 13666	2	2	=	1	-	-	-	1 -	2	-	-			1 -	1	13
Broad Street H N.R.	5652	1	-	-	-	-	-	-	-	-	-	-			-	1	-

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—We house; A—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishm receiving immates from other Districts than that in which it stands. The Koman capitals eignify the Water Companies which supply the difference in the Companies of the Kiver; E. L., East London; and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district carday, 20th September, 1890.

urday, 20th September, 1890.											- 6						3 4 14 1	OI.
							Th	DEA	THS	regist	ered	in the	Wee	k inc	lude			
DEGLED LETON	Enume rated			Dead	hs of	-				Deatl	is fro	m				1	1	1
REGISTRATION SUB-DISTRICTS.	Popu- lation,	BIRTHS.	Вкатия.	under 1 f Age.	aged 60 a npwds.	j,		ever.	18.	-cough		or Fever.	d Fever.			A.B.O.S.	Fublicons.	Causes
	1881.	Total F	Total D	Intanta u Year of	Persons Pears &	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or 'Pyphoid') Fever	Simple co	Diarrhoes.	Violence.	Inquest Cases.	Deaths in Fu	Uncertified of of reath.
EAST DISTRICTS. oreditch South #L* - N.R. ston New Town w - N.R. ston Old Town - N.R. ggerston #H - N.R. N.R.	22343 29937 28036 46275	7 11 11 27	8 12 7 20	3345	1 2 1 2		-	1111	1 1 -	ī			1 1 1	2	-	2 1	3	7
thnal Green North H - E.L. thnal Green East WHL* - E.L.	51157 84399 41408	33 22 37	10 8 20	7 2 3	- 7	:	-	-	2 1	1 1 1	-	1 -	1 1 1	3 1 1		-	6	-
talfields E.L. & N.R. le End New Town W - E.L. hitechapel Church H codman's Fields E.L. w.R. & E.L.	22585 15478 17490 9713 6102	8 17 12 2 3	9 12 19 1	8 3 4	5 1	11111	1	11111	1			- 1	1 1 1 1 1 1	1 2 1	1 2 -	1 2 -	13 6 12 -	1 1111
George's, North E.L. John, St. George East W - E.L.	88747 8410	25 5	9 5	4	3	Ē	-	-	-	-	-	-	-	8	9	1 -		
adwell H - \sim - E.L. at N.R. tellfff E.L. nehouse \sim - E.L.	10895 16107 32041	6 11 22	12 9 6	6 3 2	1 2 -		1	1		111		-	-	1 1	1	1	9	-
le End Old Town West H - E.L. le End Old Town East $WwwH$ - E.L.	87960 67653	24 38	12 22	5 4	3 9		2	-	-	-	-	1	-	3	=	- 1	- 6	- 2
V L V V V V V V V V V V	37074 64359 55077	17 47 30	11 31 15	6 5 4	5	1 1 1	111			1 -	-	1 2	-	3 -	3 3	4 4	111	-
SOUTH DISTRICTS. ristchurch Southwark #H L. & 8. Eariout Southwark - S. al-road - S. al-road - S. al-road HL - L. & S. alty Newington - S. & L. Mary Newington - L. & S.	13663 14999 21381 15953 21318 26672 59555 21623	10 11 12 6 13 11 39 21	5 5 7 10 8 24 2	2 1 4 6 3 9	1 1 1 8 -	11111111	2	1111111		1 00 1 100 1 1 1		1		1 - 1 - 2 4 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 1 -	1 - 2 - 1	111111111
Olave WH S. & L. ather Market S. & L. Mary Magdalen W - S. James Bermondsey - S. therhithe WH S. & K.	11956 16300 15669 54682 36024	5 16 16 30 22	8 6 8 11 16	2 4 3 4 5	1 1 3 6	-	1 1 1 -		11111	1		11111	-	1 2 2	2 - 2	2 4	1 3	- - - 1
terloo-road 1st # - L, & 8, aterioo-road 2nd # - L, & 8, mbeth Church 1st # - L, & 8, mbeth Church 2nd W - L, & 8, mbeth Church 2nd W - L, & 8, mbeth Church 2nd W - S, & L, l, mington 2nd - S, & L, l, mington 2nd - L, & 8, k L, trwood W, - L L L L L L L L L	15195 16351 19876 39859 45282 35882 62837 19017	3 19 11 37 28 22 37 6	3 5 22 13 18 18 13 14 4	2 4 2 6 7 2 6	3 3 5 2 3		1 2 1	1	2 - 1	1 1 1	11111111	2 - 1	111111111	1 2 1 1	3	6	17 2 -	1
t Battersea	54675 52587 36380 28004 13235 25563	40 50 29 28 3 19	20 18 15 11 5 12	9 4 4 8 1 8	3 6 5 - 1 6		1 1 - 1	11111	1	1	111111	1	111111	6 1 1 2 1 1 1	1	1 - 1 - 2	7	111111
lwich L. & S. nberwell WoL*L* - S. & L. skham W S., L., & K. George Camberwell - L. & S.	5590 59104 71089 50810	4 41 52 38	37 23 21	7 6 8	9 4 8	-	3 -	1	- 1 1 1			-		1 2 1 2	- 1 1	- 2	18	ī
Paul Deptford w K. Nicholas Deptford K. senwich West H K. senwich East WHH K.	76752 7901 21972 24605	61 6 13 22	31 3 7 11	9 1 1 2	4 - 3 5	-		4	1	2		1	-	2 1 1	1	1 1 - 1	6 - 4	1 -
H K. $H K$. wisham $WH K$. denham $H K$.	5048 21559 19865 26076	3 7 19 24	4 7 10	1 1 3	- 8 1	-	1			1 2			-	1 1 1 1	- 1	1	2	
arlton H/I K. polwich Dockyard K. polwich Arsenal HH K. mstead, West H K. mstead, East W K.	10930 17617 1904 14009 19241	8 8 14 13 25	6 8 6 5 11	2 - 3 4 4	1 - 1 8	11111	11111		1		11111				1		4	11111
ppital Ships and Camp, Dartford - uchmore Hill Hospital crham Asylum created Asylum usedan Asylum usedan Asylum usedan Asylum usedan Asylum usedan Asylum usedan Asylum y of London Asylum y of London Asylum		11,111,111,11	331122	1111111111	- I			11111111	111111	11111111		-	-	111111111		111111111	3 3 1 1 2 2 -	

TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 20th September, 189

	Area The DEATES registered in the Week include																	
Regis- tration		in Acres, including Tidal Water and Foreshore.	Enume- rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Deaths of		Deaths from										100
District and Sub- listrict Num- bers.	REGISTRATION SUB-DISTRICTS.					Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measlet.	Soarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON - OUTER RING		370,924	950,957	768	342	96	79	-	6	5	6	11	9	30	8	13	25	-
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	10	7 3	1 -	2 -		-		-		-		1 1	1 4	-	
37:1	Godstone (part of) * -	2754	1935	-	-			-	-	-	-			1			1	
38:1	Croydon Ww L - Mitcham w	20851 11697	101941 17932	46 16	18	1	5 4	-	-	-		1			-		-	
89:1	Wimbledon HHH -	3220	15950	13	- 5	. 1	2		-	H	[-]	7	-	ī		1	-	
3	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	21 11	17	8 -	1	-	I.	-	1	-			-	1	-	
4	Hampton H	4873	13539	12	7	2	3		-	1		7			1	1	2	
40:1	Richmond WH Mortlake	2272 2911	21302 12331	14	5 6	1 2	4	-	-	-	-	2	L-I	-	-	1	.=	
43:1	Bromley (pt. of) * HH	15669	81142 15844	1 7	2 7	1	1 4	-			-	1	1		-	-	8	
42;1	Chishrst(pt.of)* WHH Bexley H	14307 18487	24184	20	7	8	3	-	-		-		-	1	-	-	-	
2	Dartford (Www, pts. of)*	-	-		- +	-						-	-		-		-	
124: 1	Staines W-	11055 13277	11685	7 3	5 5	1 -	1	-	-	-	-	+	-	-	1	1	1	
125:1	Hillingdon WHH -	6029	10802	4	3		-		-	1-1	-	-	-	-	1	1	-	
3	Uxbridge Hayes wHL	6178	3225 11528	6	1 2	1	1 -		-			-	-	7.	-	-	-	
126: 1	Isleworth WHH -	7008	22727	16	14	2	8		3	Н	-	1	-	1	1	2	2	
3	Twickenham H Brentford HL	2477 4845	12479 27649	6 24	7	2	2		-	3	_	-	-	~	-	1	-	
4 5	Chiswick	1340 6083	1597.5 22876	16	2 4	-	1		1	-	-	1	-	1 -	1	1	1	
127:1	Acton wH	13809	12796	10	4	1	2		-	-	-		-	-	-	-	-	
2 8	Edgware H Willesden	6994 4388	3749 27453	1 86	15	7	1	-	- 7		-	-	1	8			-	
4	Hendon W	8382	10484	14	4	1	1	-	-	-	-	7	-	1	-,	-	1	
137:1	Bushey Watford (W, pt. of)* -	9831	0621	3	-3	1	1		-	-	-	-	-	-	-	-	-	
128 : 1	South Mimms	12519	6391	5	1		-	-	_	-	-	-	-	-	-	-	-	
3 8	Barnet	8433 4088	10092	11,	2 3	1 3	1	-	-	-	-	-	-		-	-	1	
185 ; 1	E Inonity 222	8306	583	11.		-	-	-	-	-		-		-	-	-	-	
129 : 1	Hornsey H	3039	37078	83	9	3	r	-	-	-	-	-	-	-	-	-	-	
3	20000	4649 7453	46456 23468	61 20	13	8	3		1	-	1	1	3	4	-	2	2	
4 5	Enfield WH	12653 11017	19104 5368	13	3 2	2	-	-	-	-		-	-	3	-	7	-	
6	11 peratriette mennen	8480	7785	4	2	1	1	-	-	-	-	-	-	-	-	-	-	
186:1		882 4055	38606 90347	23	13	5 15	8	-	-	1	2	-	2	1 7	1	T	-	
8	East Ham ww	8296	10706	28	7	2	-	-	1	-	-	-	-	-	-	-	-	
5		4372 6520	32480 28869	48 33	20	8	3	1	-	-	3 -	2	2	2	-	-	<i>b</i> ~	
187 : 1	Chigwell (part of) # H		9689	7,	2	1	-	-		-	-		-		-	-	-	
189:1		6730	3411	8	2		1		-		-	-	Tou	-	1	-	-	
2	liford	3493	7645	2	5	1	3	-	-	-	-	1	1	-	-	-	-	
8	Barking Town	4127	9203	5	6	8	-	- 1	1 -	1 -	-	1 -	-	2	-	1 -	1 -	1

The parts of sub-district, except the parishes of Ashstead and Headley (pop. 1283); 37:1, the parishes of Warlingham and Farley in Godstons St district; 39:3, Esher sub-district, except the parishes of Esher (pop. 1283); 41:1, the parishes of Warlingham and Farley in Godstons St district; 39:3, Esher sub-district, except the parish of Esher (pop. 1283); 41:1, Bromisy sub-district, except the parish of Codama a Knockholt (pop. 1283); 41:2, Chialehurst sub-district, except the parish of Chelafeld (pop. 247); 135:1, the parish of Northaw in Hatfi sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the varish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 127:2, Watford, and 137:2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 20th September, 1890.

	Area			L RATE			The DE	ATHS	regi	stered	l in t	he W	eek	ineluc	le	
GREATER	Acres, including	Estimated Population.		O living.	DEATHS from	Deat	hs of			1	Death	as from	m,			Public ions.
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Diarrhoss.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.				114.	15.	
REATER LONDON	448,334	5,758,500	15.5	2.7	1717	472	373	-	39	19	41	49	-	124	51	384
INNER LONDON - OUTER RING -	77,410 870,924	4,421,661 1,336,839	16·2 13·3	2.8	1375 342	376 96	294 79	-	33	14 5	35 6	38 11	21	94 30	4 3	359 25
NoreThe area of	Greater T.	ander in 440														

Note.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal a 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 Foreign Cities, having an estimated Aggregate Population of 17,189,292 Persons.

	Population	DATE			ANNUAL	D.	EATH		PRIN DISEAS	ES.	ZYMO	
CITIMS.	(enumerated or estimated).	OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS.	DEATH- BATH- per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
ALCUTTA	453,219	August 9	-	188	22.6	2	1	-	-	3	86	17+
SOMBAY	773,196	12 26	327	385	21.6		1	9	?	,	120	36
IADRAS	398,777	ı, 1.	364	371	48.3	-	3	2	?	?	99	92†
ARIS	2,260,945	September 13	. 989	793	18.2	_	20	6	24*	6	17	106
th 8 Faubourgs.)	477,288	n 13	216	180	20.1	1	2	. 1	-	2	6	29
MSTERDAM -	406,302	· · 13	271	132	16.9	-	-		3	4	2	
LOTTERDAM -	203,486	" 13	133	71	18.1	-	1	-	-	2		2
HE HAGUE -	156,497	, 13	114	48	15.9	-	5	-	-	-	-	-
OPENHAGEN -	312,387	" 13	165	125	20.9	-	4	-5	4	2	1	13
TOCKHOLM -	286,350	, 6	137	90	19.8	-		6	4*	1	1	21
HRISTIANIA -	143,300	, 13	38	54	19.6	~ .	-	3	7	-	1	7
r. Petersburg	842,000	,, 6	-	368	22.8	2	2	11	10	-	9	68
SHRLIM	1,526,887	August 30	789	822	27.7	-	2	8	34	14	3	312
LAMBURG(State)	575,276	September 6	418	216	19.6	_	5	1	6*	3	1	34
BESDEN	269,250	,, 6	146	95	18.3	-	2	1	3*	-		21
BRESLAU	324,400	, 13	220	184	29.6	-	-	6	9*	1	2	42
AUNICH	298,000	,, 13	**	160	27.9		2	1	1	1	~	56
IBNNA	822,176	13	428	261	16.5	2	3	2	2	1	2	48
BAGUE	314,425	,, 13		142	23.5		5	3	2	3	_	5
BUDA-PRETH -	463,017	,, 6	318	192	21.6		-	9	15	1	2	23
BIESTE	160,092	13	82	66	21.4	-	-	-	1	1		10
LOMES	418,217 {	August 2	224	177	22.4	-	5	-	4	1	17‡	25
TURIN (10 days)	314,827	,, 9	213	165	21.3	-	4	-	3	1	11‡	27
MNICH	156,515	August 30	60	71	23.7	9	-	-	1	-	3	17
AIRO '	374,838	,, 21	374	392	54.4	-	_	_	1	2	20	159
LEXANDRIA .	231,396		. 163	205	46.1	-	-		2*	2	17	47
NEW YORK .	1,617,997	» 30	-	716	22.8	_	8	1	20	8	11	130
BROOKLYN -	859,612	, 30		397	23.8	-	2	44	10	9	4	75
HILADBLPHIA -	1,064,277	" 30	-	390	19.1	-	1	3	11	7	14	36
BALTIMORE .	500,343	" 30	-	157	16'3	-	-	-	8	5	8	21
NEW OBLEANS.	954,000 {	» 16 23	-	107 112	22.0 23.0	-	1	~.	2	1	2 2	6 3
				IJ				-	-			

Including deaths from croup.
 Including 5 deaths from cholera in Calcutta, and 12 in Madras.
 Including 14 and 9 deaths respectively from malarial fever.

Table 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROTAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 20th September, 1890.

2	-		-					-	-	-										_	_	-
			Ozone.		0.0	0.0	0.0	1.5	4.5	2.8	8.9	2.1	27	B; no	ar, are	imum in air iuced	aphic	gher," and		The	show to the	.72 in.
	Rain	in a Gauge	receiving	surface is 5 inches above the Ground.	in. 0.00	00.0	00.0	0.15	0.11	0.03	90.0	Rum 0.34	26	vel of the sea; no	rmomete n a discu arometer	the max re of th are dec	photogr	1875. higher,	Deptford	rometer.	Sunshine Instrument, shown nderstood as applying to the	eek to 29
				Depar- ture from Average of 16 Years.	Miles.	-114	-124	-136	- 56	88	+ 58	Sum -605	25	un level o	ulb the sced from or the b	lings of nperaturumidity by Glais	n of the	ending dicates	rket at 1 astruction	ng Electi	ine Inst	of the w
		Robinson's.		Horizontal Movement of the Air on each Day.	Miles.	167	155	140	212	187	296	Sum 1324	24	e the mes el.	the wet kions deduling 1873 fith the co	f the read ue of ten gree of b	discussion that of	16 years hat + in	attle Ma under in	registerir ; m. mo	ses Sunsh e underst	peginning
ometers	ometer	1		Mean of 24 courly obs.	lbs.	0.0	0.0	0.0	0.0	0.0	7.0	:	23	t abov	r, and correct rrs end	nean o ly vall and de	rom a	for the	eign Carket,	's self weak	11-Stok	tthe
m A nom	n Anem	ro on th	Square Foot.	Least. h	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fee uce to	iomete ion of nty yes	ected rected range at the pulb	rived f	scords ne in	the Ko	ve; W.	ampbe h day.	.07 in.
nond from	ucea rro	Drogest	Squa	Great.	1bs. 1	0.0	1.3	8.0	1.3	1.0	9.8	:	2.1	to red	thern pplicat he twe	he corr he mer hemper	hat de	be bo	es of t	om Th	on eac	rom 30
Wind as deduced from Anemometers	Wind as ded	Osler's.	rection.	P.M.	Ħ.	SE. & ESE.	SE. & ESE.	SE.	SSW. & S.	SSW. SSE.	SSW. & S.	SSW.	20	of the barom	the dry bulk lues by the a lade during t	us soon in the unsurance was a fact that readings of the maximum s, forming the mean daily value of temperature of the air of the wint temperature and degree of humidity are deduced of the drawn of the drawn of the drawn and wet built theorems. It was a fact the drawn and wet built theorems by Glassher's Hygne.	f the air is t	the anemomind 25 it will	of the jetti	is derived from Thomson's self-registering Electrometer, positive; N. negutive; w. weak; m. moderste; s. strong;	derived from ght sunshine eorological ol	civil day, or from miduaght to midnight. The reading of the barroneer decreased from 30 Of in at the beginning of the week to 20 72 in.
[*44			General Direction.	A.M.	Calm & E.	E. & ESE.	ESE.	SE.	SSE. S. &	_	SE. SSE. & SSW.	SE. &	19	The height of the cistern of the barometer is 159 feet above the mean level of the ses; no exerction has been applied to the realings to reduce to sea level. Otherwisings we are record that the realings for the party of the control of the contro	Ought vacuus are usually used as in Talla, in our course, and the wet build thermometer, and the wet build thermometer, and the wet build thermometer, and the wet build thermometer, and the wet build thermometer, and the wet build thermometer, and the wet build the wet build the wet build the wet build the wet build the wet build the wet build the wet build the wet build the wet we are setting the twenty years ending 1875 for the abrometer, and distinct the wet build the wet build the weath and the weath and the wet build the weath and the wet build the weath and the wet build the weath and the weath and the wet build the weath and the wet build the weath and the we	things the wells years entury good to the terminated or an experiment seating of the maximum of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air footnms is. The mean daily dew point temperature and degree of humidity are deduced from the mean daily value of the dry and wet bulb thermometers by Ghasher's Hydro-	etrical Tables. The average temperature of the air is that derived from a discussion of the photographic movels made at Greenwich during the 90 years ending 1888, and that of horizontal movement.	of the air from a discussion of the anemometric records for the 16 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and "flower," han the average. The theorem area in the water of the Thannes are susmenfied at a denth of two feet helper	And attractions of the control of the letties of the Foreign Cattle Market at Deptford, the surface, at the end of one of the justices of the Market, under instructions from Corporation of London.	The record of Electricity symbols employed are: -F.	"The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggreemed duration of Bright sunshine on each day. The results of all the meteorological observatious are to be understood as applying to the	civil day, or from midnight to midnight. The reading of the harometer decreased
T mong		Water	tford.	Low-	0.29	2.19	9.19	0.79	62.1	62.4	62.2	0.79	18	ght of has be	into prograp	bulb t mum s). Th	metrical Tables. The average to	from a ling th	ce, at t dings	cord o	mbers gate d	or fro
ATTTE	ATORE	Of the Water	at Dep	High.	62.6	₹.29	62.6	8.79	63.3	63.3	0.89	62.8	17	The hei	readii	of the dry bul and minimu (column 8).	trical The av	the air lower	surfa surfa sir rea roorati	The reco	The nu	il day,
TEMPED A TITLE	EMPER			Lowest on the Grass.	6.68	8.0%	38.5	45.0	53.0	49.7	47.5	6.17	16	Co	eye cor of t		In the		St.		÷ ÷	
Under the Superintendence of the Astronomer Loyal.	1	Of		High- est in Sun's Rays.	126.7	130.8	132.5	128.5	130.4	132.4	126.6	129.6	15		rning.	morning		overcast	80	overca	2h. A.M	
render		Degree of Hu-	(Satu-	ration equals 100).	78	99	19	22	78	18	73	74	14	KS.	g in mo	ni vggo		ernoon g	a evenin	t; then	ain till	
upern	tween	erature oint		Least.	0.0	0:0	0.0	0.0	0.0	0.0	1.8	0.3	13	EMAR	ess ; fo	chout;	hout.	till aft lightmin	; raín i	till nigh	, with r	
2 202 L	rence be	the Air Temperature and Dew Point Temperature.		Great-	0 16.9	24.2	8.27	19.0	16.3	4.91	17.5	19.1	12	AL R	y cloudl	through	s throug	eloudy ards; 8h. P.M.	ternoon	cloudy P.M.	norning udy afte	
Longe	Diffe		-	Mean daily value.	6.1	11:4	11.0	7.3	6.9	6.9	00 00	000	11	GENERAL REMARKS	generally cloudless; fog in morning.	cloudless throughout; foggy in morning.	cloudles	artially afterw M. and	e till af	rtially r. 114b.	early n	
		Of the Dew	Point	Mean daily e value.	51.0	49.7	51.5	54.1	54.3	53.5	20.8	52.1	10	3	fine;	Very fine; 6	Very fine; cloudless throughout.	Fine and partially cloudy till afternoon; and showery afterwards; lightning and between 7h. P. M. and 8h. P. M.	Cloudy; fine till afternoon; rain in evening.	Fine and partially cloudy till night; then overcast, with rain after 114h. P.M.	Overeast in early morning, with rain till 2h. A.M. fine and partially cloudy afterwards.	
	IRE.			De- parture from Average of	0.1	+ 3.7	+ 2.5	+ 4.8	+ 4.3	+ 2.3	+ 3.0	+ 8.3	6		Very	Very	Very	Fine and s	Clou	Fin with r	Over	
	_	ılr.		Mean daily value.	0 27.73	1.19	62.5	₹.19	61.2	1.69	29.6	7.09	00	n above orizon, hours.	12.7	9.71	12.6	12.5	12.4	12.3	12.3	Sum 87.4
	TEMPERAT	Of the Air.		Daily Range.	0.75	24.3	1.97	22.3	15.6	1.61	13.2	20.2	7	Registered Sun above Sunshine, Horizon, in hours. in hours.								
				Low.	. 94	8.8	₹.6₩	2.19	24.9	. 52.0	4.49	21.0	8	Regist Sunshi in hou	2.6	10.8	10.1	80.	8	4.9	6.1	Sum 50.7
-			10	High-	70.3	73.1	75.5	73.2	2.04	11.1	6.49	11.1	2		•	fective v., P.		v, with	P.M.; P.M.;	1		
BABO	METER.	Mean	reading	rected and re- duced to 32° Fahren- heit).	in. 30.056	29.899	29.806	29.728	29.751	29.711	29.525	29.182	4	ELECTRICITY. (For explanation of symbols, see Note.)		tion de		senerally s. P. be	till 5h.	w. P. generally	•	
		Phases	of the		New.	In	•	:	:	:	:	:	00	ELE (For ex	w. P.	Insulation defective in morning; w., P. afterwards.	W. P.	w. P. generally, with s. N. and s. P. between 7h. P.M. and 8h. P.M.	w. P. till 5h. P.M. W. P. afterwards.	W. P.	W. P.	
				0	8B. 14		16	17	18	19	50	1.		H.	16	16	16	11	18	19	8	
		1890.		Моити аив	SEPTEMBER.	Mox	TUES	WBD.	TRUES	FBI	BAT	MEANS	No. of Col	DATE. September	BUNDAY .	MONDAY .	TUBBDAK .	Wednesday	EMUBADAE .	PRIDAT .	BATURDAY .	

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 39. 1890. Vol. LI.] WEEK ENDING SATURDAY, SEPTEMBER 27. [Price 1 d.

General Register Office, Somerset House, 29th September, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.0 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks ending				Week	ending	3
Towns.	Sept. Sept.	Sept. 27.	Towns.	Sep 6.	t. Sept. 13.	Sept. 20.	Sept. 27.
Birkenhead	18.4 19.9 17.9 2	21.8	Liverpool	22.	2 22 · 8	22.1	25.8
Birmingham	17.6 21.2 19.0 1	17.2	London	17.	9 16.6	16.2	17.2
Blackburn -		27.4	Manchester -	30.	4 25 4	31.6	32.6
Bolton -		23.9	Newcastle-on-Tyn	e 22·	1 21.8	26.6	25.6
Bradford -	14.1 13.2 14.1 2		Norwich	22.	4 17.6	15.3	27.9
Brighton -	14.8 19.4 16.0 1		Nottingham -	13.	6 13.4	15.8	14.3
Bristol -	14.1 15.9 14.4 1	15.0	Oldham	14.	6 22.4	19.9	22.7
Cardiff -	22.7 19.6 24.1 3	30.7	Plymouth	15.	9 27.8	19.9	28.5
Derby -	15.5 19.6 12.9 1		Portsmouth -	24.	1 19.3	18.2	21.9
Halifax -	19.1 17.2 17.8 2	25.4	Preston	25.	3 23.3	35.7	32.2
Huddersfield	12.7 22.7 17.1 1	7.7	Salford	22.	1 19.6	20.9	21.3
Hull	21.9 19.0 23.7 2	20.7	Sheffield	18.	3 23.5	25.2	20.8
Leeds -	18.5 17.5 21.9 2	1.9	Sunderland -	24.	8 21.8	27.9	25.2
Leicester -	$ 20 \cdot 3 20 \cdot 9 17 \cdot 9 1$	6.6	Wolverhampton -	28.	1 21.3	20.0	24.4

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·0 in Birkenhead, 1·1 in Manchester, and 1·3 in Cardiff; from scarlet fever, 1·0 in Manchester, 1·3 in Wolverhampton, and 1·6 in Liverpool; from whooping-cough, 1·0 in Newcastle-upon-Tyne, 1·1 in Oldham and in Huddersfield, 1·9 in Halifax, and 2·2 in Norwich; from "fever," 1·0 in Birkenhead, 1·3 in Plymouth, and 2·0 in Preston; and from diarrhea, 3·7 in Leeds, 3·9 in Hull, 4·6 in Blackburn, 5·2 in Bradford, 5·5 in Preston, 6·0 in Norwich, and 6·9 in Wolverhampton. The 58 deaths from diphtheria included 38 in London, 3 in Liverpool, 3 in Birmingham, 3 in Salford, 2 in Bristol, and 2 in Sheffield. One death from small-pox was registered in London, but not one in any of the twenty-seven provincial towns.

LONDON.

In London 2458 births and 1458 deaths were registered. Allowing for increase of population, the births were 254 below, while the deaths exceeded by 36, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had declined from 19.6 to 16.2 in the preceding four weeks, increased again last week to 17.2. During the thirteen weeks ending on Saturday last the rate averaged 18.1 per 1000, being 0.8 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

The 1458 deaths included one from small-pox, 22 from measles, 16 from scarlet fever, 38 from diphtheria, 29 from whooping-cough, 18 from enteric fever, 2 from ill-defined forms of continued fever, 86 from diarrhea and dysentery, 6 from cholera and choleraic diarrhea, and not one from typhus; thus, 218 deaths were referred to these diseases, exceeding by 7 the corrected average weekly number.

The death from small-pox occurred in the Metropolitan Asylum Hospital Ship "Atlas" at Dartford, and was of a male, aged 26 years, who had been removed from Greenwich workhouse; no case of this disease remained under treatment on Saturday last in the Metropolitan Asylum Hospitals, or in the Highgate Small-pox Hospital. The deaths from measles, which had steadily declined from 95 to 33 in the preceding seven weeks, further fell last week to 22, exceeding the corrected average, however, by 3. The fatal cases of scarlet fever, which had been 18 and 14 in the previous two weeks, increased again last week to 16, but were 24 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1681 scarlet-fever patients at the end of last week, the numbers on the preceding five Saturdays having increased from 1427 to 1596; 206 cases were admitted during the week, against numbers increasing from 118 to 211 in the preceding seven weeks. The deaths from diphtheria, which had been 18 and 35 in the previous two weeks, further increased last week to 38, exceeding the corrected average by 14. The 29 deaths from whooping-cough were fewer than the number in any previous week of this year, but still exceeded the corrected average by 6. The 86 deaths from diarrhaa showed a further slight decline, but were 11 above the corrected average; 75 were of children under five years of age, and 10 of persons aged 60 years and upwards. Three deaths were attributed to choleraic diarrhæa, and 3 to infantile cholera.

The fatal cases of enteric fever, which had numbered 18 and 21 in the preceding two weeks, declined again last week to 18, and were 4 below the corrected average. The Metropolitan Asylum Hospitals contained 140 cases of enteric fever, and one of typhus, on Saturday last; 21 cases of enteric fever were

admitted during the week, against 25 and 20 in the preceding two weeks.

The 222 deaths referred to diseases of the respiratory organs exceeded the number in the previous week by 35, but were one below the corrected average.

Different forms of violence caused 52 deaths, concerning all but 2 of which inquests were held. Of these 52 deaths, 6 were cases of suicide, and one, of manslaughter, while the remaining 45 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 3 by drowning, and 6 (including 5 of infants under one year of age) by suffocation. The death of a female, aged 5 years, which occurred at the London Hospital, was referred, after inquest, to "heart failure while under chloroform necessarily administered" for the purpose of an operation.

GREATER LONDON.

In Greater London 3338 births and 1867 deaths were registered, corresponding to annual rates of 30.2 and 16.9 per 1000 of the estimated population. Outer Ring 45 deaths were referred to diarrhea, 11 to whooping-cough, 9 to diphtheria, 8 to measles, and 8 to "fever." Of the deaths from diphtheria, 2 occurred in Edmonton and 2 in West Ham sub-districts; 2 deaths from "fever" occurred in Hornsey sub-district, and 2 from scarlet fever in Edmonton subdistrict.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.95 ins.; the lowest reading was 29.44 ins. on Sunday evening, and the highest 30.30 ins. 29.95 ins.; the lowest reading was 29.44 ins. on Sunday evening, and the highest 30.30 ins. on Thursday evening. The mean temperature of the air was 58°-8, and 2°-8 above the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average throughout the week, the excess on Saturday amounting to 7°-7. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 10.5 miles per hour, which was 0.3 of a mile below the average in the corresponding weeks of 16 years. Rain fell on Monday and Tuesday, to the aggregate amount of 0.31 of an inch. The duration of registered height supplies in the week was 24.20 hours, against 30.7 hours at Glynde Place Lewes. bright sunshine in the week was 24.9 hours, against 30.7 hours at Glynde Place, Lewes.

· See note on first page of this Return;

1			7			_	_	-	-	_		-	_		-		_	-	-		-	_	-	-	-	-	-	-	-	_	-	_
	CITIES	BOROUGHS,	Cols.	-, 28 TOWES.	LONDON.	BRIGHTON. PORTSMOTTH	NORWICH.	PLYMOUTH. BRISHOL	WOLVERHAMPTON,	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	DOTTON.	MANCHESTER,	OLDHAM.	BLACKBURM.	PRESTON.	HUDDERSPIELD.	HALIFAX.	BRADFORD.	CHEBUS.	HILL.	SUNDERLAND.	NEWCASTLE.	CARDIER.		EDINBURGH.	GLASGOW.	DUBLIK.
	Ann	In Centi- metres.	24.	0.94	64.0	1.09	1	0.10	0.33	1	1	2.24	1	1	0.38	E	,	1 1	1	1	ſ	1	1	1	1 000	19.0	1.50	7 60		0.46	1.37	0.58
E A T A S	-	.goqoal al	23.	0.37	18.0	0.43	1	0.04	0.13	-	1	88.0	1	1	0.15	1	1	1 1	3	ŧ	1	.!	1	1	0.40			000		0.18	0.52	0.11
AIR.	i i	Centigrade.	22.	13.56	68.41	14.56	ſ	14.56	2.44	1	1	13,26	1	1	14.22	8	1	1 1	3	1	1		ı	1	18.61			3 (13.11	14.00	14.11
N THE	Mean	·tiednerda'	21.	56.4 1		58.0 1	_	58.2 12		1	_	26.4 15	1	_	21.6	1	1			1	1	1	ı	1	1 0 2	`-	-		-			57.4 14
TEMPERATURE OF THE AIR.	-1	Lowest	20.	39.0		52.5 5		50.0		,	1	46.0 5	1		0	1							1	-					-			44.9 2
MPERA	*31	Fahrenheit, Lowest		74.1 38		68.0 52		66.0 50				67.5 46	1		-	_	_								1 76.0							00
			. 19.	1-			8.8	99 3.9 1.3 69		4.0		-		_	1 67.7	· 	6	7 1	10	6	6	63	PM .	- - - - -	-	0.17. 9	-		0	1711/74		S 68.
Annual Kate per 1006,	corresponding to the Week's Deaths	From Piseases in	. 18.	9					8.1						1.0		6 2.9				_					0 4 6		4 7	0		3.6	
And		Vanses of De	. 17.	0.02	17.2	6.17	27.9	28.5	24.4	17.2	9.91	14.3	11.4	21.8	25.8	52.8	32.6	21.3	27.4	32.2	17.7	25.4	8.02	6.17	8.07	202	7 07 0	20.02	20	1.91	25.55	20.
	p	Public Institution Unoertification	. 16.	89	17	1 2	1	1 1	1	00	1	-	1		prod.	67		01 0) -	-	1	4	4		4	1	_	2.7	1		58	
		Deathsin	. 15.	633	877	4 03	93	17	9	18		10		4	48		47	16	> 4		4	10	10	===		න	23 .	4 0		15	25	
	.88	ess. Jeanpul	3. 14.	9 230	103	1 4	ಕಾ		1	00	6-	4	67		19	· ·	16	4 0	- 1	0.1	63	-	4	<u> </u>	4.	4 0	27 1	L-0 1	0	٥.	2.	9
elude		Vlolence.	. 13.	109	52	: '	-	H 00	-	63	4	-		1	17	-	9		1 1	7	6.1	177	Lond	co			1	₹ r	_	Fri	9	:0
eek ir		.amdrasid	12.	386	98	- 10	11	10 co	11	25	4	90	C1	10	23	1-	26	91	73 0	11	4	1	24	56	16	16	n •	1 00	2	6	14	13
the W	а	Fever.	11.	58	20	1 63	-	67 1	1		c1	1	H (21	10 r	۲	1	N 0		4	-	1	-	50	<u>~</u>	1	1 :	-	-	1	00	4
The DEATHS registered in the Week include	Deaths from	Whooping-	10.	63	29		4	1 1	1	0.1	1	-	-	1	9		1	1 0	o 1	1	c ₄	ಬ	1	67	70	F-1 (27	<u> </u>	1	00	00	-
regist	Deat	Diphtheria.	9.	58	88 1	- 1		L 0.	1 1	00	-	1	1	1	00	1	-	e3	1 1	1	1	1	-	1	67	-	-	1 ,	_	-	e2	1
EATH		Scarlet Fever.	00	99 2	16			1 1	67	4	1	-		-	19		10	21 12			1	-	-	0.1	4		c.1	, ,	-	-	1	
The D		Messies.	7.	62	22	23 1				1	1	1		67	-	C.1		67 6	1 12		1	7	-	60	0.7	1 :		1 0		-	4	-
		Small-pox.	6.	-	-		1	1 1			1	1	-	1	1	1	1	-	1		1	-		1	1	1	1	1	_		1	
	the of	Persons aged 60 Years and upwards.	52.	009	300	29 [6	10	9	16	10	=======================================	00	co	28	00	28	10	7 -	9	4	-1	14	18	13	17	13	10 1	10	55	31	83
	Deaths	Infants under l Year of Age.	4	1262	429	14	26	2 5	20	19	22	21	6	12	95	25	7.5	41	16	77 68.	9 00	1 16	41	09	610	28	62	99	00	25	09	63
during	anding 1890	DEATES.	83	3735	1458	42	119	43	88	152	49	19	22	44	204	53	237	63	# X	65	32	.40	96	153	188	Sõ	99	80	00	87	226	141
Registered during	the Week ending	BIRTHS. D	63	5622	2458	125	523	99	200	294	93	100	48	17	350	IZ.	254	149	# 0	50	88	47	111	200	931	185	SS :	123	83	167	041	182
	Population t	1 74	1.	9,715,559	4,421,661	123,659	95,352	78,780	£3,406	461.865	154,344	244,909	160.871	105,049	613,463	115,816	579,437	242,509	199 559	105,163	94,213	\$2,034	246,515	868,799	332,537	213,833	156.506	162.987	210,, 11	271.185	150,.08	230,023
-	4		Cols.	•	•			. 1	KON	•	•		1	٠	•	•	٠			٠			•							•	•	
	6145168	AND BORUGHS.	0	28 TOWNS	LONDON	BRIGHTON .	NORWICH .	PLYMOUTH .	WOLVERBAMPTON	RIPMINGHAM	LEICESTER	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	BOLTON	MANCHESTER	SALFORD .	DIDHAM BIACKLIBE	PRESTON .	HUDDERSFIELD	HALIFAX .	BREDRORD .	Liends		HILL .	SULUNKTAND	NEWCASTLE .	CARPIER	KERNETRAN -	GLA GOW -	Dr. LIN .

TABLE 1 .- BINTHS, DRATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 27th September 1890.

TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-NINTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females	2458	2518	2538	2399	2571	2516	2559	2420	2395	2504	2712·3	2458
	1268	1312	1309	1234	1317	1253	1331	1273	1219	1294	1396·9	1237
	1185	1206	1229	1165	1254	1263	1228	1147	1176	1210	1315·4	1221
TOTAL Deaths Males Females .	1353	1217	1449	1257	1243	1251	1350	1244	1314	1361	1421·9	1458
	704	635	745	662	648	660	714	655	679	669	738·4	790
	649	582	704	595	595	591	636	589	635	692	683·5	663

[•] The numbers in this column are the average weekly numbers in the thirty-ninth weeks of the ten years 1880-89, raised by 9.046 per cent, for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LONDON.—BIL				Bill Company	V 11 T 11	726 0 210	GI III	UIIC J	Jast J	LHIKI	EEN	VEER	5.
		uly J		uly 26.	Aug.	Aug.	Aug.	Aug. 23.	Aug.	Sept.	Sept.	Sept.	Sept. 27.
TOTAL Births 2	480 2	472 2	2346	2512	2557	2176	2527	2487	2614	2469	2539	2355	2458
TOTAL Deaths 1	481 1	471 1	1522	418	1693	1594	1751	1629	1659	1514	1410	1375	1458
Ages at \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	165 1 239 5			793 132 227 219 47	938 186 232 277 50	915 171 225 230 53	1019 169 263 246 54	964 148 233 235 49	911 190 265 234 59	796 177 240 245 56	687 183 238 256 46	667 200 214 232 62	740 182 236 256 44
Yunder 1 year - 1-5 5-20		428 281 91	445 277 101	438 282 73	554 286 98	549 294 72	635 294 90	603 292 69	525 282 104	459 247 90	395 217 75	376 227 64	429 207 104
Deaths from Small-pox ,, Measles , Scarlet fever ,, Diphtheria ,, Whooping-cough	100 13 21 57	99 20 22 66	104 12 19 56	94 13 20 62	82 19 36 45	95 17 22 37	80 27 15 39	73 16 20 39	60 24 26 39	56 18 16 46	- 39 18 18 35	33 14 35 38	1 22 16 38 29
", Typhus ", Enteric fever ", SimpleContafever ", Diarrhœa and "Dysentery ", Cholera	6 2 85 4	9 - 107	6 1 111 1	107	11 1 177	11 1 176 4	16 1 262 10	11 - 255 12	17 180	18 1 128 5	1 18 - 117 5	21 - 94	18 2 86
,, all the above- mentioned Diseases	288	327	310	299	378	363	450	426	353	288	251	238	218
,, ,, Dis. of Respira- tory System ,, ,, Phthisis - ,, Dis. of Circula- tory System	244 115 105	225 132 108	216 150 117	185 110 107	215 147 118	197 126 119	208 129 113	203 119 116	184 167 100	180 139 120	210 136 114	187 157 136	222 130 104
Violent Deaths Inquest Cases Deaths in Public Institutions	55 97 311	40 100 321	49 118 347	56 111 333	73 134 405	50 103 878	75 128 408	54 105 343	57 105 364	54 98 391	55 109 860	43 83 360	52 103 377
TEMPERATURE OF THE AIR Mean Mean of Highest readings - Mean of Lowest readings -	55.7 66.6 48.6	55·7 65·2 48·4	61·4 72·1 54·3	61° 6	74.	1 73.8	73.2	69.0	66.5	71.0	59·4 73·2 48·2	71.7	69.2
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	84 1·77 23·5	83 0·86 17·9	81 2·08 21·7	75 0·08 44·6				1			1	001	

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—P. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Harrung, Esq., F.R.A.S., F.R.M. H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the THIRTY-NINTH Week of the Year 1890.

	100	19		_			_		CCK	of the Year 1890.		0							
	r the years	Sa	turd	a the	We 7th	ek er Septe	ndine mbe	r 189	0.		for the	Sa	turds	In the	th S	ek e	ndin	g 1890	
"	0 10 y		D	eath	s of l	Perso	ns o	f			e 10 y		D	eaths	of F	erso	ns of		
	of the		1	Jnde	-	10,	200	80.	13	CATTONO OF ORANGE	Averages sks of the 1880-89.*	-	1				1 3 1	-	-
CAUSES OF DEATH.	A 88	Br.		20.	-	under	under 60	under	and 8.	CAUSES OF DEATH.	Ave 1880			Jnde: 20.	7	ler 40	er 60.	er 80.	and.
	Wee	AGE	ı					d un	Vears upwards.		Wee	AGES				under	under	under	ara
	Corre	ALL	0-1.	1-6.	6-20	20 and	to and	on and	X 08		Corrected 39th Week	ALL	0-1.	1-6.	5-20.	na () and	and	Noars unwards
		1		5	1		,	1	1		1 0, 1	1 4	-	-	13	07	4	99	90
ALL CAUSES	1421.9	1458	429	207	104	182	236	256	41	Diseases of Organs of Special Sense † }	3.4	6	2	-	2	1	1.	-	
Small- (Vaccinated)	1.3	1	٤-	1,0	-	-1	-	-	-				-	-	-	-		-	-
box Unvaccinated No Statement	1.3	-	20	-	-	-	-	-	-	Diseases of Circulatory }	103.8	101	1	-	11	18	29	43	2
Measles	18.2	22	5	15	2	-	-	-	-				1-			-			-
Scarlet Fever	39.7	16	. 2	7	. 7	-	-	-	-	Bronchitis	118.3	108	36	20	-	4	11	30	5
Typhus Relapsing Fever t	0.0						-			Pneumonia Pleurisy	60.5	85 5	24	23	2	9	12	15	-
Influence	0.0	2	-		15	-	1	-	1	Other Diseases of Respi- ratory System}	26'3	22	7	6	1	1	5	.2	-
Whooping-cough	23.3-	29	12	14	3	-	-	-	ŀ	D 1111		-						-	
Diphtheria	23.8	33		26	10	1		1		Dentition † - Quinsy, Sore Throat † - Enteritis	1.0	8	6	2	2	1	ĩ	-	~ -
Simple Continued and Ill-defined Fever -	1.6	2		- 1	2	-	-	-	I	Peritonitis	9.5	22 12	11	5	3	- 5	1	2 7	1
Enterie Fever	21.8	18	4	2	7.	7	2	-		Other Diseases of	27.5	29	8	3	4	4	16	7 8	-
Cholera and Chol. Diarr. Diarrhosa, Dysentery -	75.0	83	59	16	1	-	1	8	2	Digestive System -}		02		0	2		*	0	1
Remittent Fevert	0.3	1	П	٠,	1-	-	. 1			Diseases of Lymphatic)									
Hydrophobia	0.2			-	-	-	-	-	H	System & of Ductless {	0.0	1	-			-	1	-	-
Glanders Cowpox and Effects of)	0.0		1	-		-		-	I			-	-		-		_		
Vaccination † 5					~	-		1.		Diseases of Urinary	40.7	49	-	-	5	6	20	16	2
Venereal Affections - Erysipelas	6.3	12	6	2		2	4		F						_		_		_
Pyzmia and Septiczmia †	4.2	1	-	-	-	-	-1	_		Diseases of Generative	8.0	7	1	L-	1	4	1	_	
Puerperal Fever	53	5		-	1-	4	1	-	2	Accidents of Childbirth-	3.4	4	-	-	1	`8	-	-	-
Other Zymotic Diseases †	0.5			_	-	-	_	_	Ŀ	Diseases of Locomotive)			-						
Thrush	3.6	1	1	-	-	-		-	L	System †}	6.3	6	1	1	1		3	_	
Worms and other Para-}	0.0	I-I		-	-	-	-	_	L	Diseases of Integumen-									
						-				tary System}	6.0	7	1	1	-	-	3	3	
Starvation, Want of Breast-milk † }	2.1	1	1	I-i	-		-	-											
Alcoholism	5.7	8		-	-	2	4	2	_	VIOLENT DEATHS.									
Rheumatic Fever					-			-		(ACCIDENT.)	10.0	90				10			
Rheumatism of Heartf	6.6	8	-	1	4	2	1	-	-	Fracture and Contusion Gunshot Wound	18.6 0.3	29	2 -	2	6	13	4	1	1
Rheumatism †	1.5 2.9	2 3	1 1	-	-	-	-1	1	-	Cut, Stab Burn and Scald	2'7	4	-	3	ī	-	-	-	-
Rickets†	2.8	5		5	1		2	1		Poison	8.3	3	- 5	-	-	2	1	-	-
Cancer	52.3	64	-	1	i	7	21	33	1	Otherwise	5.0	6 3	1	î	1	-	-	1	-
Tabes Mesenterica - Tubercular Meningitis -	8; 1 24 3	4)	80	7	1	2	~	~	-					-	-		-	-	
Phthisis	162.2	25 13)	14	7	8	57	47	7		(Homicide.) Murder & Manslaughter	1.9	1	1						
Scrofula, Tuberculosis -	14'4	22	10	7	2	2	-	1		muruera mansiaughter	1.9	-	1		_			-	
Other Constitutional Diseases † -	8.9	16	1	-	1	3	6	5	-	(SUICIDE.)									
								-	-	Gunshot Wound	1:1	ī	-	-	-	-	-	-	í
Premature Birth Atelectasis +	35°9 2°7	44	44	-	+	-	-	~	-	Cut, Stab Poison	1.1	2	-	-	1	-	=	- 14	=
Congenital Malforma-	7.1	1	1		•		-	-		Hanging	1.7	8		-	-	1	2		-
Uld Age	43.6	33.	9		*			00	10				_					_	-
	30 0	53-		-	-			20	18	(Execution.)									
Apoplexy	39.0	41	1,	-	+	2	8	28	2	Hanging	0.0		-	-	-	-	-	-	-
Epilepsy Convulsions -	40.9	6	86	1	1	3	1	1				-	-			-		-	-
Other Diseases of Brain)	48.3	80	16	4 9		0	10	17	7	OTHER CAUSES †	74°3	69	63	5	-	-	-	1	-
and Nervous System	- 0	00	10	9	8	9	16	17		and the latest the lat		1		}				-	
The name have in this		-		-			-	-					-	-					-

able the Coroner to certify whether a violent death be the result of accident, murder, or "accident or negligence."

Table 5. LONDON. -Population; Births; Deaths from all Causes, and from Small-Pox, Measles, Scarling the West and

							Th	e Da	ATHS	regu	itere	in t	he We	ek in	elude		
	cnume-			Dea	ths of	1_				-De	sthe i	from	.:			1	
REGISTRATION SUB-DISTRICTS.	Popu- lution: 1881	Total BIRTHS.	Total DEATHS.	Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or	Simple con-	Diarrhos.	Violence.	Inquest Cases	Deaths in Public Institutions.
LONDON	3,815,704	2458	1458	429	300	1	22	16	38	29	-	18	2	86	52	103	377
West Districts	669,633	367	210	59	54	-	3	-	1	1	-	2	-	14	9	22	58
NORTH DISTRICTS	905,947	528	824	71	80	-	3	7	12	5	-	5	2	12	11	25	94
CENTRAL DISTRICTS	382,288 692,738	138 459	96 318	26 103	22 52		8	3	13	8	-	8.	-	22	7	7	41
SOUTH DISTRICTS	1,965,148	966	491	170	89	-	7	5	7	13	-	3	-	31	11	29	88
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA-	-	-	24	-	= 8	1	-	1	-		-	-	-	-	-		24
TION LONDON '					and .			-	-					-	-	-	-
St. Mary Paddington WHH G.J. &W.M	69888	47	25 8	11	6	<u>, - ' </u>	-	-	1	-	-	1	-	1	-	2	3
St. John Paddington $H - G.J.$ Kensington Town $Ww - W.M$	87880 1 2 0141	57	38	10	15	-:	-	-	-	-	-	-	-	8	1	3	6
St Peter Hammersmith W.M.	48010 7899	18	12	3	3		-	-		-	-	-	-	- ,		1	4
St. Paul Hammersmith H W.M. & G.J. Fulham Ww - W.M. & C	64340 42900	57 70	20	10	7	1,2	2	-		-	-	-	-	1.	1	4	3 2
Chalses South HHH D.	30396	16	16 18	7	2	-	-	-	=	1	-	-		3	2	3	3 7
Chelsea North-east C.	24925 32807	12	8	2	1	- ,	-	-	-,	-	-	-	-	ī	1	2	7
May Fair W G.J. Belgrave WHHH C. St. John Westminster HHH - C.	80353 59220	13	23	2	6	- 1	1	-	-	-	-	ī	_	ī	3	1 8	6
St. John Westminster HHH - C. St. Margaret Westminster H - C.	3549 6 24679	20 5	4	2	-		,		-	-	-	-	-	1	1	1	3
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHH - N.R.	29941 16608	13	3	1	1	-	-	-	-	-	-	-	-	-	-	-	1
NORTH DISTRICTS.	2000										_		-				-
All Souls Marylebone HHHHH W.M. Cavendish Square HHHHH W.M. Rectory Marylebone WH G.J. & W.M.	. 26759 14891	17	11 1	1	8	-	-	ŀ		-	-	-	-			1	6
	24809 21118	23	5 4	2	3	-	-	-		1		-	-	1	-		2
Christohurch Marylebone IIH W.M. St. John Marylebone H W.M.	33700 33638	21	5 2	2	ī	-	-	-	-	-	-	-		î	-	2	-
Hampstead WwHHHH - N.R. & W M.	45482	28	16	3	8.	-	1	1	1	-		-	-	-	-	1 -	5
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M.	89115 27729	13 13 18	15	3	1 4	-	-	-	2	1	-	- '	-	1	1	1	10
Gray's Inn Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R.	30247 84369	20	14	3	2 2	-	-	-	-	-	-	1 -	-	1 -	3	3	13 8
Kentish Town W N.R.	17811 87487	19	8 39	7	15	-	ī	-	1 2		-		-	4	-	1 1	3 13
Upper Holloway WWWRH N.R. Islington South-west H - N.R. Islington South-east N.R.	67946 100976	44 55	84 28	6	10 8	-	-		-	-	-	-	-	1 2	-	1	16
Highbury H N.K.	61895 52048	23	23 12	9	5 2	7	-	1	-	-	-	=	1	-	2 2	4	-
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	12	9	2	2		-	-	-	-	-	-	1	-	-	1	-
West Hackney H N.R. Hackney WwwwH E.L. N.R	87610 76911	29 52	9 50	3 7	1 8 4	-	1	- 5	-	- 2	-		-	-	i	2	2
South Hackney E.L. CENTRAL DISTRICTS.	39883	18	19	6	4	-	-	-	6	1	-	3	-	-	1	1	26
St. George Bloomsbury - N.R	16681	7	1	1	-	-	- 1	-	_								
St. Giles South WH N.R. St. Giles North H N.R.	14864 13837	9	7	3	2	-	-	-	-	-	-			i	1	1	- + 0
St. Martin-in-the-Fields HH N R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	17508 7515	6 4	6	1	1	-	-	-	-	-	-	-	-	-	1 1	1	3
Strana Union Workhouse, Edmonton w.	8559	3	5	2	3	-	-	-	-	-	-	-	-	-	-	-	1 .
St. Andrew Eastern W - NR	18671	5 3	8 2	-	1	-	-	-	1	-	-	-	-		-	-	5 2
Saffron Hill H N.R. St. James Clerkenwell N.R.	6588 17516	2 15	1 5	2	1	-	=	-	1 -	-		-	-	-	-	-	-
	19281 14778	9 7	5 2 6	2	1	-	-	-	-	-	-	-	-	ī	-	-	-
Pentonville N.R. Goswell-street N.R. Gid-street H N.R.	17506 11541	6 7	5	2 2	1	-	-	-	-	ī	-	-	-	î	-	- 1	- 1
City-road HHL N.R. Whitesross-street N.R. Finsbury N.R.	18628 9217	27	8	1	2	-	1		-	1	2	-		-	1 -	1	-
Holborn Union Workhouse, Mitcham w.	7468	3	1	-	1	-	-			-	-	-	-	-	-	-	-
St. Botolph H N.R. & E.L. Cripplegate N.R.	11174 7198	2	2	1	-	-	-	-	-	-	-	-		1	-	-	1
St. Sepulchre H N.E. St. Bride W N.E.	5358 8896	2	22	1 -	6	-	=	-	3	-	-	-	-	-	2	2	21
Allhallows Barking N.R. Broad Street H N.R.	18666 5652	4	2	1	ĩ	-	-	-	-	-	-	-	-	:	-	-	-

NOTE—The Italie letters placed against the names of the suc-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishmun, receiving immates from other Districts than that in which it stards. The K-man capitale signify the Water Companies which supply the different sub-districts;—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Cheisex; S. Southwark and Vauxhall; L. Lambeth; N. E. New River; E. L., East London; and K., the Kent Company.

EB, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district irday, 27th September, 1890.

irday, 27th September, 1890.											-							
							The	DEA	TH8 1	egist	ored i	n the	Wee	k inc	ude			
	Enume			Deat	hs of				1	Death	s fron	<u> </u>				1	1	
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Births.	Total DEATHS.	intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-por.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteris (or Typhoid) Fever.	Simple con-	Diarrices	Violence.	Inquest Caes.	Deaths in Public Institutions.	Uncertified Causes of Peats.
EAST DISTRICTS. redited South HL^{\oplus} - N.R. ton New Town ω - N.R. ton Old Town N.R. gerston WH - N.R. & E.L.	22348 29937 28036 46275	8 25 13 32	8 14 6 19	4 7 1 6	1 5 1 3	1111	1.1.1.6	-	1 - 2	1	1 1 1	1	1 1 1	1 1 2	1 -	2 1 - 1	1 3 - 8	1111
$\begin{array}{llllllllllllllllllllllllllllllllllll$	51157 34399 41405	27 26 24	14 14 24	6 7 2	2 3 11	-	-	1	- 2	1 -	-	-	-	1 2 -	2	2	10	1 1 1
affields - E.L. & N.R. End New Town W - E.L. techapel Church H E.L. & N.R. dmau's Fields E.L. gate K.L.	22585 15473 17490 9718 6102	9 9 9 6 8	2 18 25 - 3	2 3 6 -	1 3 1 1 1	11111	1 1 - 1	11111	1111	1		1	1 - 1 - 1	1	1 4	2 5 -	11 16 -	
George's North E.L. John, St. George East W - E.L.	88747 8410	20 8	15	3 -	8	-	-	-	1	-	-	1	-	5	ĩ	2 -	5	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10395 16107 32041	10 9 22	15 7 6	9 6 3	- 2	11.	2	-	1	-	-		-	1 -		- 1	11	1
End Old Town West H - E.L. End Old Town East WwwH- E.L.	87960 67653	31 58	21 23	7	2 4	1	1	ī	1	2	-	1 -	-	1 4.	<u>-</u>	1	3	2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	37074 64359 55077	25 50 32	11 26 34	2 9 12	6		1	1	2 2	1 - 2	-	1	1 1 1	1	3 1	7 3	8	
SOUTH DISTRICTS. L, & S.	18663 14999 21381 15953 21318 26672 59555 21623	6 9 17 11 16 18 51 15	6 8 6 10 9 6 16 8	33384365	1 1 1 5 -		111-11-1	1111111	1111111	1	1111111	1111111	11111111	1 - 1 4 -	11111111	1	4 - 1	1
Olave WH S. & L. ther Market S. & L. Mary Magdalen W S. James Bermondsey S. herhithe WH S. & K.	11956 16300 15669 54632 36024	11 8 13 46 27	15 9 6 11 18	2 3 2 2 7	1 1 - 2 4			11111	2 -	- 1 1	11111	11111	1111	1 2 - 1 3	1	1	13	1
terloo-road 1st : H - L, & 8, terloo-road 2nd H - L, & 8, meeth Church 1st H - L, & 8, meeth Church 2nd WW - L, & 8, anington 1st 8, & L, anington 2nd 8, & L, axlon & L, & 8, L, & 1, & 1, & 1, & 1, & 1, & 1, & 1,	15195 16251 19876 39859 45232 35332 62837 19017	7 22 14 29 42 10 34 14	10 4 22 19 14 11 15 7	4 3 5 8 6 6 6 3	3 3 4 4 -	111111	1 1 1 1 1 1	T	8	1 1 1 -	1111111	1	11111111	1 1 1 1 1 1 1 1 1	3	3 1 1	2 1 17 5 - -	1 - 2 2 1 1
t Battersea	54675 52587 86380 28904 13235 25553	50 46 21 20 5 25	15 22 11 15 5 11	11 6 6 6 3	2 4 1 4 - 3		111	111111	111111	1 1	11111	1 - 1		2 1	1	2 1	6	11111
wich	5590 59104 71089 50810	3 60 45 40	36 26 17	7 11 3	11 5 3	1111	-	-	- 1	1 1 1	-	-	-	1 1 1	- 1 1 1	2 2	15 2	
Paul Deptford w K. Nicholas Deptford K. cawich West H K, cowich East WHH K.	76752 7901 21972 24605	63 5 11 14	27 3 4 15	13 2 2 1	4 - 2 4		ī	3 -	1			1111		8 -	1 - 1	1 - 2	4 - 7	
ham H K. H K. wisham WH K. lenham H L.	5048 21559 19865 26076	1 9 16 28	2 5 6 11	2 - 2	1 2 1 2			-		1		1111	-	1 -	1111	1 -	3 -	
arlton HII K. olwich Dockyard K. olwich Arsenal HH K. mstead, West H K. mstead, East W K.	10930 17617 19045 14009 19241	2 22 25 9 26	1 3 11 5 9	- 1 5 2 -	- 2 2 4	11111		11111	11111		11111	11111	11111	- 2 1	11111	1	1 - 2	1111
spital Ships and Camp, Dartford - nchmore Hill Hespital crham Asylum - renth Asylum - renth Asylum vseden Asylum - nstead Asylum - nuell Asylum nwell Asylum - nwell Asylum - nuell Asylum - ny Hatch Asylum		1 1 1 1 1 1 1 1 1 1	1 1 2 2 3 7 2 2 4	-	1 2 -	1	111111111	1					-	111111	111111111		1 1 2 2 3 7 2 2 4 -	-

Table 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums Area; Population; Births and Deaths registered during the Week ending Saturday, 27th September, 1

IONDON - OUTER RING 370,024 250,037 850 400 146 83 8 8 3 9 11 8 45 16 22 37	AREA	A; POPULATION; BI	RIHS a	HU DEA	ITHS	Il	ercu	uuiii										
Death of Death of	Regis-		1							The D					Week 1	nelude	1	1
No. No.	tration		Acres,			rô	Dead	ths of				Death						9
100	and Sub- district Num-		ding Tidal Water and Fore-	Popu- lation,	BIRTHS.	DEATHS	Infants under 1 Year of Age.	ged	Small-pox.	Measies.	Scarlet Fover.	Diphtheria.	Whooping-sough	Fover.	Diarrhosa.	Violence.		Deaths in Public
2	1.03	NDON - OUTER RING	370,924	950,957	880	409	146	83	-	8	3	9	11	8	45	16	22	37
37:11 Golstone (part of) * - 2754 1265 7 - - - - - - -			1						-	1 . 1	4	1		-	2 -	-	-	-
Second Company of the Company of t						-	-	-	-		-	-	-	-			-	-
Richigston WHH -								15	-	2 -	-	1 -	-	1 -	2 -	1 1	-	9
Ringston				_		11		-		-	-				2	1	-	- 2
## Hampion ## - 4573 13559 11 3 1 1 1 1 1 ## Richmond ## - 2272 21302 7 6 2 3 2 2 1 ## Morthac 9911 13531 13 4 2 1 1 1 ## Collaboration of the property of			1					-	-	1	-	-			-		1 1	-
Richmond					1					-	-	-	1		- 1	1 1	1 }	-
		Mortlake					2	1	-	-	-	-	-	-	-	1	1	-
Call Bexley H 18437 24134 22 5 1 1 1 1 2 2 2 1 3 3 3 4 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 4	_									1 1	-		1	-	1		1	-
Dartford (We, pts. ot)			1					1 . 1	-	-	-	-	-		1		2	-
124:1 Sunbury & - 11055 11688 7 8 4 - - - - 1 1 - - 1 - - 1	_			-	1 i	12	-	- 1	-	-	-	-			-	-	-	2
128:1 Hillingdon				2		11) 1	-	-	-	1 -	,	-	-		1	-
Uxbridge			1				and the same of				1	-					-	-
1126; 1 1sleworth WHH			-	1		2		-	-	1 1	-	/	-	-	1	-	-	-
2 Twickenham H - 2477 12479 6 3 1 1 1 3 - 1 3		Hayes wHL	14587		6		-	-	-	1	- /	-		-	-		-	
S Brentford HL						18 - 3			-	- 1		1	1	1	1		-	1
4 Chiswick 1240 15975 9 5 2 1						11			-	1	-	-	-	-	1	2	1	3
127:1 Harrow H 13809 12798 8 3 - 1 - - - - - - - -		Chiswick		1		11				-			1		-		-	-
2 Rdgware H 6094 3749 - 1 1 1 1 3 3 Willesden 4883 27453 32 14 5 2 1 3 3 1 1 1 1 1 1			1			1			-		-	· -	-	-	-		-	
3 Willesden 4383 27483 82 14 5 2 1 3 4 Hendon W 8382 10484 7 4 2 1 2 2 1 1 1 1 1 1 1 1	2	Edgware H	6994	3749	1	1	1	1	-	-	-	-/	1	-			-	-3
137 : 1	8	Willesden	-	1		11				-		1			1		-	-
2 Watford (W, pt. of)	137 : 1	1							-	-	-	-	-	-	-		1	-
188; 1 South Mimms			-		_	-	-	- /	-	-	1	-	-	-	-	-	-	-
3 Finchlof HL 4683 17615 15 2 1		South Minams	1			12	-		-	-	-/	-/	-	-	1	-	-	-
185 1 Hatfield (part of) * - 3806 588 - - - - - - - - -		Tage man	3		_	11	1		-	-		-/	-	-		-	-	2
189:1 Hornsoy H 8089 37078 23 12 3 5 1 2 2 Tottenkiam H 4642 46456 64 21 5 4 1 2 1 2 2 3 Edmonton Ww - 7458 23463 21 15 4 3 2 2 2 3 4 Enfield WH - 12658 19104 15 13 6 2 - 1 1 - 3 1 1 5 Waitham Abbey - 11017 8363 3 1 - 1 1 1						-	-		-	-		-	-	-	-	-	-	-
2 Tottenham H 4642 48456 64 21 5 4 1 2 1 2 2 3 Edmonton Ww - 7488 23463 21 15 4 3 2 2 2 2 3 4 Enfield WH 12658 19104 15 13 6 2 - 1 1 - 3 1 1 - 5 Waltham Abbey - 11017 8368 3 1 - 1 1 1 - 3 1 1 - 5 Waltham Abbey - 1865 19104 15 13 6 2 - 1 1 - 3 1 1 - 1 1 1 1 - 1 1 1 1	1		4			12	3	5	-	-	-	-	1	1	-	-	-	
4 Enfield WH 12658 19104 15 13 6 2 - 1 1 - 3 1 1 - 5 Waltham Abbey - 11017 8383 3 1 - 1 1 1 - 3 1 1 - 6 Cheshurt 8480 7735 9 1 1 1 - 1 1 - 1		Tottenham H	I.		_	H			-	-	- 2	- 2	-	1		1	2	1
5 Waitham Abbey 11017 8888 3 1 - 1 - 1 1 1 - 1 - 1	_	1	ž.						-	1	-	-	1	-			1	-
186:1 Stratford	5	Waltham Abbey	11017	5368	8	1	-	1	-	-	-	-	-	-	-	-	-	
2 West Ham wwH - 4055 90347 110 54 19 9 - 1 - 2 1 1 10 1 2 - 6 East Ham ww - 3296 10706 24 13 11 1 2 1 1 1 0 1 2 - 4 Leyton WwL - 4372 32430 52 30 14 6 2 - 2 - 2 8 Walthamstow H - 6590 28869 30 17 8 3 1 - 1 4 8 187:1 Chigwell (par. of) * H 11761 9669 5 2 1 1		,	3	1		11				-	-				-		1.	-
4 Leyton WuL 4372 32430 52 30 14 6 2 - 2 8 5 Walthamstow H - 6590 28869 30 17 8 3 1 - 1 4 187: 1 Chigwell (par. of) * H 11761 9669 5 2 1 1 2 Epping (W, pt. of) * 1 1 189: 1 Romford (part of * W 6730 2411 2 3 2 1 2 Ilford 8493 7645 6 4 - 1 1 1	_		1	1		18			-	1	-	2	1		1			-
b Walthamstow H 6520 28869 30 17 8 3 - - - 1 - 1 4 - - - 187: 1 Chigwell (par. af) * H 11761 9669 5 2 1 1 - <		1	3	1		1			-	-		-	-	-	1		1	-
187: 1 Chigwell (par. of) * H 11761 9869 5 2 1 1 1 2 Epping (W, pt. of) * 1 1 189: 1 Romford (part of * W 6730 3411 2 3 2 1 1 2 Inford 8493 7645 6 4 - 1 1 1					_	111			-	-	-	1	1	1	1		-	8
189:1 Romford (part of * W 6730 2411 9 3 2 1 1 2 Ilford 8493 7645 6 4 - 1 1 1						11		1	-	-	-	-	-	-	-	;-	-	-1
2 Hford 8493 7645 6 4 - 1 1 1 -	1					1		-	-	-	-	-	-	-	-	1	-	1.0
	_		-		_	1.6	2		-	1		1	-	-			1	1
				1		115	1		-	-	-	-	-	-	-			-

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are a. 185-23; 2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warlingham and Farley in Goldenar district; 38:3, Esher sub-district, except the parish of Esher (pop. 1933); 41:1, Bromley sub-district, except the parish of Esher (pop. 1933); 41:2, Bromley sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Its sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district; 187:1, Chigwell

ABLE 7.-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 27th September, 1890.

Area						The Da	HTA	s regi	stere	d in t	he W	7eek	inclu	le	
in Acres,	Estimated			DEATHS	Deat	ths of		-		Death	s fro	m			blie 8.
tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.	Deaths in Public Institutions.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	16.
448,334	5,758,500	16.9	2.7	1867	575	333	1	30	19	47	40	28	131	68	414
77,410 870,924	4,421,661 1,336,839	17·2 16·0	2.2	1458 409	429 146	300 83	1 -	22	16 3	33	29 11	20 8	86 45	52 16	377 37
	Acres, including tidal water and foreshore.	in Acres, including tidal water and foreshore. 1. 2.	Area in Acres, including tidal water and foreshore. 1.	in Acres, including tidal water and foreshore. 1. 2. 3. 4. 448,334 5,758,500 16.9 2.7 77,410 4,421,661 17.2 2.5	Acres in Acres in Causes Estimated foreshore. Estimated population, middle of 1890. From All Causes. From All Causes. Causes S-14. Causes	Area in Acrea in Acrea in Acrea in Survey Causes Ca	Acres in Acr	Acrestic Restimated Population, tidal water and foreshore. Estimated Population, tidal water and foreshore.	Acresting Restimated Population, middle of water and foreshore.	Accesting Accesting Accesting Accesting Accesting Accesting Accesting Accesting Accesting Accesting Accesting Accesting Accessing Acc	Acresting Acre	Area in Acres, including tidal water and foreshore. Letimated Population, middle of 1890. From All Causes. From Sand foreshore. Prom Sand Sand Sand Sand Sand Sand Sand Sand	Accession Acce	Acres Infants Persons Acres Population, middle of water and foreshore. Prom All Causes. Prom All Causes.	Area in Acrea in Acrea in Acrea in Sectimated population, middle of water and foreshore. Estimated Population, middle of water and foreshore. Estimated Isso. From All Causes. From All Causes. From Section Causes.

TE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 30.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

Table 8.-Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,189,292 Persons.

	POPULATION				ANNUAL	DI	SATHS	FROM	PRIN	ES.	ZYMO	_
Citins.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS. of Stillborn.	DEATH- EATH per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
CUTTA	433,219	August 16		_		-	_	-	_	_	_	_
IBAY	773,196	September 2	409	380	21.3	1	4	2	P	. 9	109	35†
DRAS	398,777	August 8	448	403	52.5	-	6	. 9	5	9	95	113+
118	2,260,945	September 20	837	865	19.9	_	10	1	33*	11	13	122
8 Faubourgs.)	477,288	. 20	212	186	20.3	2	-	-	1	2	7	32
STERDAM -	406,302	,, 20	247	117	14.9	-	-	-	- 1	. 4	1	-
THEDAM -	203,486	,, 20	151	67	17.0		-	_	1	2	-	1-1
HAGUE -	156,497	,, 20	110	60	19.9	-	3	-	-	-	-	-
PENHAGEN .	312,387	. 20	182	142	23.7	-	2	1	6	5	1	12
CKHOLM -	236,350	, 13	118	80	17.6	-	-	5		4		18
BISTIANIA -	143,300	,, 20	65	42	15.2	-	-	3	3	-	2	7
PETERSBURG	842,000	,, 13	-	354	21.9	6	4	13	4	4	5	60
BLIN	1,526,887	,, 6	839	784	24.7	-	4	7	27	10	6	227
MBURG(State)	575,276	,, 13	412	202	18.3	-	3	3	5*	3	6	31
ESDEN	269,250	,, 13	175	99	19.1	-	1		4*	-	1	19
BBLAU	324,400	,, 20	243	192	30.9	-		4	8*	5	3	24
MICH	298,000	" 20	-	137	23.9		1	-	4*	. 3	. 1	34
INNA	822,176	₃₉ 20	379	264	16.7	-	5	1	8	2	1	32
TORE	314,425	» · 20	-	142	23.6	-	040	1	- 1	1	2	6
DA-PESTE -	463,017	39 13	317	196	22.0	-	-	4	9		2	29
DETE	160,092	39 · 20	89	69	22.4	-	100	-	5	7	2	13
KK	418,217 {	August 16	222	174	21.8		8	-	1	1	19‡	37
RIN (10 days)	314,827	" 23 10	234 304	193 156	25°0 18°0	2	2	-	-	1	22‡	30 29
HIOR	156,515	September 6	86	85	28.3	11	1	-	2	1		20
IRO	374,838	August 28	\$73	393	54.5	-			3*	1	17	152
EXANDRIA .	231,396	28	201	210	47.2	-	-	-	2*	2	6	51
W YORK .	1,617,997	September 6	-	717	22*8	-	7	. 1	11	11	15	110
OOKLYN .	859,612	8		378	22.6	-	1	2	3	4	3	73
ILADELPHIA -	1,064,277	, 6		382	18.7	-	_	3	4	5	25	38
LTIMORE -	500,343	. 6		158	16'4	_	_	940	4	6	6	10
W ORLEANS -	254,000	August 30	-	106	21.8	-	-	-	1	1	1	4

^{*} Including deaths from croup.
† Including 1 death from cholera in Bombay, and 21 in Madras,
‡ Including 16 and 14 deaths respectively from malarial fever.

Table 9 .- METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 27 TH SEPTEMBER, 1890. Under the Superintendence of the Astronomer Royal.

0.7 3.0 0.7 0.0 0.0 The height of the cistern of the barometer is 159 feet above the mean level of the sea; no Observations are usually taken at 9h. A.K.; noon; 8h. P.K.; and 9h. P.K. The menus of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced Corporation of London.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strang; and the aggregate duration of bright sunshine on each day.

The results of all the ineteorological observations are to be understood as applying to the The reading of the barometer decreased from 29.57 in, at the beginning of the week to 29.44 in. converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading The average temperature of the air is that derived from a discussion of the photographic The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptiond, and their readings are registered by the Clerk of the Market, under instructions from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrorecords made at Greenwich during the 20 years ending 1868, and that of horizontal movement In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and in a Gauge whose 5 inches above the 0.55 00.0 of the air from a discussion of the anemometric records for the 16 years ending 1875. of the Air Average of on each of Day. by 8h. P.M. on the 21st; increased to 30'30 in, by 9h. P.M. on the 25th; and Miles. 84 63 Sum - 56 + Robinson's. Horizontal Movement Sum 1760 24 correction has been applied to the readings to reduce to sea level. The numbers in column 29, derived from the Campbell-Stokes Wind as deduced from Anemometers. Mean of 24 hourly lbs. 0.5 7.0 53 Pressure on the Square Foot. .sq 0.0 0.0 0.0 0.0 22 0.5 est. 8.1 2.1 0.0 SW. & SSW. SSW. & SE. WSW. & SW. civil day, or from midnight to midnight, SSW. & S. WSW. P.M. General Direction. 23 SW. & WSW. ŝ WSW. WSW. A.M. SSW SW. 19 Of the Water of the Thames at Deptford. 9.19 metrical Tables. 9.19 61.4 9.09 est. 8.09 8.19 18 FEMPERATURE. High. 9.29 6.19 9.19 est. on the Grass. Of Radiation. 0.1% P.05 6.6 44.4 16 High-est in Sun's Rays. Very fine in early morning; cloudy till affernoon; very fine and generally cloudiess afterwards. afternoon; cloudy afterwards; showery; slight thunderstorm with heavy rain Fine and partially cloudy till afternoon; generally cloudy afterwards. evening; 32.0 122.6 38.0 112.3 05.1 16.3 Fine; cloudy till evening; variable at night. Degree of Hu-midity (Satu-ration equals 100). afternoon; 22 81 62 80 06 14 16 83 Fine with variable amounts or ... in F.M.; generally overcast afterwards lightning in evening; showery at night. GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature. cloudy 0.0 0.0 0.3 norning; till Fine till afternoon; cloudy till evening; slight thundersto between 5h. P.M. and 5h. P.M. est. 16.7 16.5 6.91 14.8 14.5 12 Mean daily value. 8.9 8.0 2.3 Variable in early Of the Dew Point. Mean daily value. 9.09 9.19 52.1 52.7 53.5 Variable afterwards. De-parture from Average 3.3 1.1 1.5 8.3 50 + + + + FEMPERATURE 0.89 57.3 6.99 Registered Sun above Sunshine, Horizon, in hours. in hours. 8.89 90 12.5 6.11 15.0 6.11 Sum 84.1 Of the Air. 12.1 Daily Range. 9.41 6.61 6.61 4.02 18.8 7 8um 24.9 4.3 8.4 2.0 1.8 7.0 Low-52.8 6.09 6.09 55.8 est. 9 ٥ 68.5 67.1 0.99 69.2 7.69 W. P. generally till P.M.; S. N. and P. till 7h. P.M.; w.P. P. till afternoon; afterwards. (For explanation of symbols, see Note.) in. 29.514 ELECTRICITY. 29.953 generally afterwards. Greatest Dec. S. W. P. W. P. W. P. W Ed. 21 26 22 SEPTEMBER. 21 25 36 MONTR AND No. of Col. 1890. SEPTEMBER. DAY. DATE. MEANS THURS. SATURDAY TUES. WED. Mon. SUN. MONDAY FRI. SAT.

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS LONDON

AND IN

TWENTY-SEVEN OTHER QREAT

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 40. 1890. Vol. LI.

WEEK ENDING SATURDAY, OCTOBER 4.

Price 11d.

General Register Office, Somerset House. 6th October, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.3 per 1000 of their aggregate population, which is estimated at *9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending	100 5	THE ACT OF THE PARTY OF THE PARTY OF		Weeks	ending	
Towns.	Sept. 13.	Sept. 20.	Sept. 27.	Oct. 4.	Towns.	Sept.	Sept. 20.	1 2)ct. 4.
Birkenhead	19.9	17.9	21.8	22.3	Liverpool	22.8	22.1	25.8 22	2.0
Birmingham	21.2	19.0	17.2	16.7	London	16.6	16.2	17.2 16	.7
Blackburn -	15.6	30.0	27.4	25.3	Manchester -			32.6 30	
Bolton -	20.3	20.7	23.9	16.7	Newcastle-on-Tyne				
Bradford -	13.2	14.1	20.8	22.1	Norwich			27.9 28	
Brighton -	19.4	16.0	17.7	18.6	Nottingham -			14.3 18	
Bristol -	15.9	14.1	15.0	14.1	Oldham			22.7 16	-
Cardiff -	19.6	24.1	30.7	20.1	Plymouth			28.5 33	
Derby -	19.6	12.9	11.4	10.3	Portsmouth -		الطالانتان	21.9 16	-
Halifax -	17.2	17.8	25.4	17.2	Preston			32.2 34	
Huddersfield	22.7	17.1	17.7	18.8	Salford	19.6	20.9	21.3 20	.0
Hull	19.0	23.7	20.7	18.8	Sheffield			20.8 26	-
Leeds -	17.5	21.9	21.9	18.9	Sunderland -	21.8	27.9	25.2 26	.0
Leicester -	20.9	17.9	16.6	15.5	Wolverhampton -	21.3	20.0	24.4 22	• 5

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.0 in Preston, 1.1 in Manchester, 1.3 in Brighton and in Cardiff, and 2.5 in Birkenhead; from scarlet fever, 1.0 in Liverpool and in Derby and 1.2 in Manchester; from whooping-cough, 1.6 in Norwich; from "fever," 1.1, in Norwich, 1.3 in Plymouth, and 2.0 in Birkenhead; and from diarrhaa, 3.0 in Nottingham and in Birkenhead, 3.1 in Sunderland, 3.2 in Leeds and in Hull, 3.4 in Blackburn, 3.6 each in Manchester, Sheffield, and Cardiff, 3.9 in Bradford, 4.1 in Belton, and 6.4 in Preston. The 49 deaths from diphtheria included 28 in London, 4 in Salford, 3 in Liverpool, and 2 each in Norwich, Preston, Sheffield, and Newcastle-upon-Tyne. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2433 BIRTHS and 1413 DEATHS were registered. Allowing for increase of population, the births were 255, and the deaths 52, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.2 and 17.2 in the preceding two weeks, declined again last week to 16.7. During the thirteen weeks of the past quarter the rate averaged 18.1 per 1000, being 0.8 per 1000 below the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 64310.-1. 635.-10/90. Wt.

The 1413 deaths included 30 from measles, 20 from scarlet fever, 28 from diphtheria, 18 from whooping-cough, 24 from enteric fever, one from an ill-defined form of continued fever, 105 from diarrhœa and dysentery, 3 from cholera and choleraic diarrhœa, and not one from small-pox or typhus; thus, 229 deaths were referred to these diseases, exceeding by 32 the corrected average weekly number.

No death from small-pox was registered, the corrected average being 4; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum The deaths from measles, Hospitals, or in the Highgate Small-pox Hospital. which had steadily declined in the preceding eight weeks from 95 to 22, increased last week to 30, and exceeded the corrected average by 10. The fatal cases of scarlet fever, which had been 14 and 16 in the previous two weeks, further increased last week to 20, but were 25 below the corrected average. politan Asylum and London Fever Hospitals contained 1777 scarlet-fever patients at the end of last week, the numbers on the preceding six Saturdays having increased from 1427 to 1681; 249 cases were admitted during the week, against 211 and 206 in the preceding two weeks. The deaths from diphtheria, which had increased from 16 to 38 in the preceding four weeks, declined again last week to 28, but exceeded the corrected average by 2; 3 deaths from this disease, which occurred in the North-Western Hospital, were of children who had been removed from one house in Oval Road, Camden Town. The 18 deaths from whooping-cough were fewer than the number in any previous week of this year, and were 4 below the corrected average. The deaths from diarrhæa and dysentery, which had declined in the preceding seven weeks from 262 to 86, numbered 105 last week, exceeding the corrected average by 51; 93 were of children under five years of One death was attributed to cholerine, one to cholera infantum, and one to choleraic diarrhæa,

The deaths from enteric fever, which had been 21 and 18 in the previous two weeks, increased again last week to 24, and exceeded the corrected average by 2; of those which occurred in hospitals, one belonged to Willesden, one to West Ham, and one to Stratford sub-districts in the Outer Ring. The Metropolitan Asylum Hospitals contained 155 cases of enteric fever, and 2 of typhus, on Saturday last; 27 cases of enteric fever were admitted during the week, against 20 and 21 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had been 187 and 222 in the preceding two weeks, further increased last week to 262, and

exceeded the corrected average by 13.

Different forms of violence caused 61 deaths, concerning all but 3 of which inquests were held. Of these 61 deaths, 9 were cases of suicide, while the remaining 52 were attributed to accident or negligence. Eight of these were caused by horses or vehicles in the streets, 4 by burns or scalds, 4 by drowning, and 11 (including 10 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3235 births and 1757 deaths were registered, corresponding to annual rates of 29°3 and 15°9 per 1000 of the estimated population. In the Outer Ring 17 deaths were referred to diarrhea, 15 to measles, 10 to whooping-cough, 8 to diphtheria, and 5 to "fever." The deaths from measles included 4 in Acton and 3 in Croydon sub-districts; of the deaths from diphtheria, 2 each occurred in Tottenham, Leyton, and Walthamstow sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29·94 ins.; the lowest reading was 29·55 ins. on Wednesday afternoon, and the highest 30·22 ins. on Thursday evening. The mean temperature of the air was 56°·7, and 2°·1 above the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average on every day except Thursday, the greatest excess being 5°·1 on Saturday. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 15·9 miles per hour, which was 5·4 miles above the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 36·9 hours, against 22·6 hours at Glynde Place, Lewes.

* See note on first page of this Return.

	: Cotton	GITLES	вокоисив.	Cols.	- 28 TOWNS.	LONDON. ВВІЄНТОМ. РОВТВМОПТН.	NORWICH.	BRISTOL.	BIRMINGHAW	LEICEBTER.	Nortingham.	DERBY.	LIVERPOOL.	Borron.	MANCHESTER.	OLDHAM.	BLACKBURN.	HUDDERSPIELD.	HALIFAX.	BRADFORD.	LEEDS.	HTTT	SUNDERLAND.	NEWCASTLE.	CARDIFF.		EDINBURGE.	DUBLIN.	CANADA THE THE PERSON STREET, SALES AND THE P
	ALE.		In Ceni	24.	0.46	0.00	0.33	0.51	O FO	•	0.02	1 1	1.09	1	,		1	1 1	1	64.0	1	1 000	00 0	20.1	1		3.96	1.53	Printer Commercial Com
ı	RAINFALL	•	In Inches	23.	0.18	80.0	- 0.18	0.50		1	0.03	1 1	0.43	1	•	1	,	1 1	,	0.31	1	1 740	0.12	0.49	1 47		1.56	0.48	MARCO CONCUPACION
A1B.	1		Centigrad	22.	13.67	12.67	18.44	18.11	8 1		12.89	1 1	84.21	1	1	1	1	1 1	,	12.56	ı	1 0	68.11	11.88	20 1		19.11	12.56	-
OF THI	, M	Mean	iodnerds ^Y	21.	54.8	54.8	1 88			1	55.2	1 1	55.0	1	1	1 1	1	1		54.6	1		53.4	-				54.6	C MENTAL PROPERTY OF THE PARTY
ATURE		Test.	beit Lor	20.	9.98	42.8	9.17	40.5	0 0	1	9.98	1	9.4	1		1 1	,		1 1	30.8	1	1 8	0.88	0.08	000	-	36.5	36.5	None of the last o
TEMPERATURE OF THE AIR.		pear	Fahrenheit Lor	19.	74.0	65.0	- 0.74			1	8.72		8.19	1	1	1 8	1	ı	1 1	65.4	1		0.99		0.70		-	60.5	COMPACCYMINASHMA
Rate	nding -	eaths.	From Diseases Cols. 6-12	18.	3.2	2	5.5			8.0		0.7	_	2.0	6.9	8 8	3.4	9.4	9.0	5.6	-	-	3.0	C. Street	-	0		4 61 51 80	Commerce control
Annual Rate	corresponding to the	Yeek's D	From Al	17.	19.3	18.6	28.4	14.1	2.91	15.5	18.7	22.3	22.0	2.91	9.08	16.3	25.3	34.2	17.2	22.1	6.81	56.6	20.00	0 02	\$ TO	7 07	10.61	1.61	- THE CONTRACTOR
-		T)est	Tasangu to sesusu	16.	65	5 1 1	1 -		4 61) I	-	1	- 11	7	9	0 1	H	63	1 1	-	00			освоти	27 1	1	17	14	*
ı		9i	Death fubl	16.	282	885	6 01	10	16	6	9	01 0	32	4	97	် လ	-	41		1 6	67	17	<u>r</u> 1	- 0		0	26	17	Total Control of the last
L	-		Jasapa]	14.	218	107	00 0	7 17 0	0 0	2 41	9	H -	- ×	1	12	- I	47	1 (2/ 6/	1	11	4	1	o 1	L 1	0	۵.	o. 4	
Inde		1	Violence	13.	134	61	67 6	1 9 4	# c	031	4	1 -	-1 00	1	00	- 1	63	1	- G	1 1	9	4	1 :	ر د	eo 4	4	9	ဗ္	
The Duamus registered in the Week include			sentraid	12.	377	105	000	9 00 +	7 4	7	14	9	93	6	26	11	9 00	13	1 1	1 0	22	23	13	00	00 0	00	2	15	No segment of comments
he We			Ecrer.	11.	58	1 1	67 6	N I	1 -	+ 61	-	1 -	# co	Н	4	4 -	1 1	-	1 1		တ	67	1	1	1 -	-	1	70 4	Chiminotes
ad in	from	-2	Whooping cough.	10.	40	18	က	1 1	ŧ -	- 1	-	1 -	- 00	-	61	1 -	1 1	m			2 1-1	-	1	1	-	1	.8	07 33	and Carpens
deine	Deaths from	- 95	Diphtheri	9.	49	80 1 -	1 63 1	- 1	1 ,	- 1	٢	1	1 00	1	-	4	1 1	67	1		1 1	67	-	1	c 3	1	. 22	eo ~	- Committee of the Comm
		-	Scarlet.	00	61	20	1	1 11		N 1	1	67	1 6	1	6	C1 C	1 1	-	<u>~</u>	l r	- 8	10	r=1		-	1	-	4 1	
l d	1000		Measles.	7.	74	00 00 1	1	1 63 1			1	1	1 01	- 1	. 00		- 1	63	1 =		# 1-	- 00	-		1 (ec .		9 1	
		.,	roq-lism8	6.	1	1 1 1	1	1 1	1	1 1	1	1	1	1 1		1	-	1	1	1	6 1	1	1	1	1	1	-	1 1	
	ha of) !	Persons agents of Team of Tawqu bus	5.	654	294	1 77	14	00 0	19	20	00	7 43	-1	30	6 1	10	11	10	9 0	7 20	19	H	0	20	7	121	19	
	Deaths		Infants und I Year of	4.	1173	12	16	125	15	20	28 1	00	19	16	99	37	21	26	.H	G . !	26	26	29	27	97	1.6	1 27	0.8	5
	luring	.880.	DEATES.	65	3590	1413	22 2	88 20	98	148	88	20	45	37	223	863	46	69	34	22	199	170	22	89	90	45	66	194	707
	Registered during	4th Oct., 1890.	BIRTHS. D	93	5539	2483	26	126	48	274	123	44	56	500	258	144	45 40 64	72	40	70	950	202	132	100	129	8.4	139	344	101
-	POPIT. ATTON U		the Year 1890.*	1.	9,715,559	4,421,661	142,952	78,780	83,406	461,865	154,344 244,909	100,871	105,049	115.8463	879,437	242,509	146,716	105,163	94,253	82,034	240,515	332,837	213,833	136,506	162,987	210,711	271,135		
		20	вополеня.	Cols.	28 TOWNS	Гокром Ввіснтом	PORTSMOUTH	PLYMOUTH	WOLVERHAMPTON	BIRMINGHAM .	LEICESTER .	DERBY	BIRKENHEAD .	LIVERPOOL .	MARCHESTER .	SALFORD	OLDHAM .	PRESTON .	HUDDERSFIELD .	HALIFAX .	BRADFORD	-	HULL	SUNDERLAND .	NEWCASTLE .	CARDIER .	EDIMBURGE	GLATGOW	

Table 2. LONDON.—Births and Deaths Registered in the Fortieth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2261	2468	2467	2387	2610	2491	2538	2647	2413	2364	2687·6	2433
	1125	1238	1265	1221	1311	1279	1304	1387	1212	1180	1365·5	1290
	1136	1230	1202	1166	1299	1212	1234	1260	1201	1184	132 2 ·1	1143
Total Deaths Males Females .	1398	1362	1422	1252	1328	1309	1365	1265	1352	1381	1464·9	1413
	742	679	736	637	705	655	741	688	701	728	764·6	757
	656	683	636	615	628	654	624	577	651	653	700·3	656

^{*} The numbers in this column are the average weekly numbers in the fortieth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TONDON -RIPTER DEATHE and M.

Total Births Total Deaths Total Deaths Total Deaths 0	owards	12, 2472 1471 800 174 214 231 52 428 281 91	19. 2346 1522 823 157 249 250 43 445 277 101	July 26. 2512 1418 793 132 227 219 47 438 282 73	Aug. 2. 2557 1683 938 186 232 277 50 554 286 98	Aug. 9. 2176 1594 915 171 225 230 53 549 294 72	Aug. 16. 2527 1751 1019 169 263 246 54 635 294	Aug. 23. 2487 1629 964 148 233 285 49 603	911 190 265 234 59	Sept. 6. 2469 1514 796 177 240 245 56	Sept. 13. 2539 1410 687 183 238 256 46	20. 2355 1375 667 200 214 232	Sept. 27. 2458 1458 740 182 296 256	Oct. 4. 2433 1413 726 170 223
Total Deaths - Ages at Death Death Death O—20 years 20—40	owards	800 174 214 231 52 428 281 91	1522 823 157 249 250 43 445 277 101	798 132 227 219 47 438 282	938 186 232 277 50 554 286	1594 915 171 225 230 53 549 294	1751 1019 169 263 246 54 635	964 148 233 235 49	911 190 265 234 59	796 177 240 245 56	1410 687 183 238 256	1375 667 200 214 232	740 182 286	1413 726 170
Death 20-20 years 20-40	owards	800 174 214 281 52 428 281 91	823 157 249 250 43 445 277 101	798 132 227 219 47 438 282	938 186 232 277 50 554 286	915 171 225 230 53 549 294	1019 169 263 246 54 635	964 148 233 285 49	911 190 265 234 59	796 177 240 245 56	687 183 238 256	667 200 214 232	740 182 236	726 170
Ages at 20-40 40-60 40-60 60-80 80 years & up	owards	174 214 231 52 428 281 91	157 249 250 43 445 277 101	132 227 219 47 438 282	186 232 277 50 554 286	171 225 230 58 549 294	169 263 246 54 635	148 233 285 49	190 265 234 59	177 240 245 56	183 238 256	200 214 232	182 286	170
Deaths from Small-pox """, Measles """, Scarlet fev """, Diphtheria """, Whooping """, Typhus """, Enteric fev """, Simple Con """, Diarrhea """, Cholera """, all the al mentioned Dis """, Dis. of Res tory Sy """, Phthisis	ver -	281 91 - 99	277	282	286	294		603				62	44	253 41
" Measles " Scarlet fev " Scarlet fev " Diphtheria " Whooping. " Typhus " Enteric fev " SimpleCon " Diarrhea " Dysenter " Cholera " all the al mentioned Dis " Dis. of Res tory Sy " Phthisis	ver -	99	-			12	90	292	525 282 104	459 247 90	395 217 75	376 227 64	429 207 104	433 193 100
", SimpleCon ", Diarrhea " Dysenter ", Cholera ", all the al mentioned Dis ", Dis. of Res tory Sy ", Phthisis	-cough	20 22 66	104 12 19 56	94 13 20 62	82 19 36 45	95 17 22 37	80 27 15 39	78 16 20 39	60 24 26 39	56 18 16 46	39 18 18 35	- 88 14 35 38	1 22 16 38 29	30 20 28 18
", ", all the al mentioned Dis ", ", Dis. of Res tory Sy ", ", Phthisis	ntd fever	107	6 1 111	107	11 177 7	11 176 4	16 1 262 10	255 12	180	18 1 128	117	21 - 94	18 2 86	24 1 105
" " Dis. of Res tory Sy " " Phthisis	bove-	327	310	299	378	363	450	426	353	288	251	238	218	229
	ystem } rcula- }	225 132 108	216 150 117	185 110 107	215 147 118	197 126 119	208	203	184	180	210 136	187 157	222	262 123
tory Sy Violent Deaths - Inquest Cases - Deaths in Public Institu	utions	40 100 321	49 113 347	56 111 333	73 134 405	50 103 373	75 128 408	116 54 105 343	57 105 364	54 98 391	55 109 360	136 43 83 860	104 52 103 377	61 107 335
TEMPERATURE OF THE Mean Mean of Highest read Mean of Lowest readi	dings -	55·7 65·2 48·4	61·4 72·1 54·3	61.6 73.9 52.6	62·9 74·4 53·9	62.6 73.8 53.2	61·1 73·2 54·6	59·0 69·0 51·8	54·4 66·5 46·0	58·4 71·0 48·4	59·4 73·2 48·2	60·4 71·7 51·0	58·8 69·2 50·9	56·7 66·3 49·3
H imidity of the Air R in-fall in inches Registered Sunshine (in	ings -	83	81 2·08 21·7	75 0·08 44·6	77 0·11 31·9	77 0.00 30.5	82 0·78 32·6	81 1·00 31·9	80 0·67 36·5	83 0·00 26·8	79 0·00 48·6	74 0·34 50·7	83 0·31 24·9	76 00·0 36·9

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The tollowing gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.B.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., M.D., Leicester; Arthur Brown, Esq., and Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the

				F	ORT	TET	H V	Vee	K of	f the Year 1890.									
	the		In Satur	the	Wee 4th	Octo	ding	890.	1		the		I	in the	We	ek e	nding	2	
	for the 10 years			eaths					-		for the 10 years			day,					
	appe a				he A						ges the l		De	eaths tl	he A		19 01		
CAUSES OF DEATH.	Vera of t 30-89			Under		40.	. 60.	80.	апа	CAUSES OF DEATH.	Averages iks of the 1 1880-89.*		T	Jnder	.	40.	60.	36.	7
CAUSES OF DEATH.	eeks 1880	ES.	-	20.		under	under	under				53.		20.		under	under	10	S. S.IId
	Set €	AG							Years		We	AGES			,			d un	Years unwards
	Corre 40th	ALL	0-1	1-6.	5-20	20 and	to and	60 and	dn .		Corrected 40th Wee	ALL	0-1.	1-5.	6-20.	20 and	o and	o and	aun
		1	1 1	1 1	1 1	1	. 1	1 1			, ,		0 1	7 1	01	64 1	9	9	30
ALL CAUSES	1464.9	1413	433	193	100	170	223	253	41	Diseases of Organs of Special Sense †}	1.5	8	-	-	2	1	-	-	_
Vaccinated! -	0.8	-	-	-	-	-	-	-	-				-		-		-		-
Small- pox Unvaccinated No Statement	1'4			-		-	-			Diseases of Circulatory }	110.2	100	2	-	6	11	83	41	7
Measles	19.8	30	8	21	1	-	-	-	-								-	-	-
Scarlet Fever	45.1	20	-	11	7	2	-	-	-	Croup	13.5	139	54	23	3	2	18	36	3
Typhus	1.0			-	-		-	-		Pneumonia	71.9 5.2	90 5	18	28	8 -	8 -	12	17	1 -
Relapsing Fever † Influenza	0.1	2	-	-	-	1	1	-	-	Other Diseases of Respi- ratory System}	25.8	22	7	2	-	2	7	8	1
Whooping-cough	21.8	18	10	8	-		-	-	-					-			-	-	-
Diphtheria	25.7	28	1	11	14	1	1	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	11.1	6 1	6	-	-	-	-	-	-
Simple Continued and Ill-defined Fever -	2.2	1	-	1	-	-	-	-	-	Peritonitis	5.0	24 8	12	6	1 -	2 5	1	1	1 -
Enterie Fever	22.1	24	2	1	12	7	2	2	-	Diseases of Liver - Other Diseases of	36.1	21 31	9	3		1	10	7 8	1
Cholera and Chol. Diarr Diarrhea, Dysentery	54.1	105	74	19	1	3	1	5	2	Digestive System -}	-							-	
Remittent Fevert	0.0	-	-	-	-	-		-	-	Diseases of Lymphatic) System & of Ductless }	. 1.9				-				
Hydrophobia Glanders	0.0		-	-	-	-	-	-		System & of Ductless {	1.3	2	1	-	1	-			-
Cowpox and Effects of	0.0				_				-	Discourse of Theorem		-	-	-		-		-	-
Vaccination †	9.5	8	4	1			9			Diseases of Urinary System }	38.8	40	-	2	2	8	10	17	1
Venereal Affections - Erysipelas	5.6	6	-	1	-	1	3	1	-			-		-	-	-	-	-	-
Pyzmia and Septiczmia t	2'4	4	-	-	1	1	1	1	-	Diseases of Generative	5.7	4	-	-	-	-	3	1	-
Puerperal Fever	4·9 2·3	3	1	-	-	2	1	-	-	Accidents of Childbirth -	4.5	1	-	-	-	1	-	-	
Other Zymotic Diseases †			-	-		-	-	-	-	Diseases of Locomotive)	7.5	10	-		-	0			
Thrush	3'4	2	2	-	-	-	-	-	-	System +}	7.5	10			7	2		_	1
Worms and other Para-} sitical Diseases}	0.8	-	-	-	-	-	-	-	_	Diseases of Integumen-	019	5	0						
						-			-	tary System}	6.8	-	2	-		-		2	1
Starvation, Want of Breast-milk † }	3.0	2	2	-	-	-	-	-	-										
Alcoholism	4.8	11		-	-	4	4	3	-	VIOLENT DEATHS.									
Rheumatic Fever,	-									(ACCIDENT.) Fracture and Contusion	24.8	28	1	4	4	5	6	7	1
Rheumatism of Heartf }	8.2	8	-	-	2	4	2	-	-	Gunshot Wound Cut, Stab	0.1	=	1	=	=	-	-	-	-
Rheumatism †	3.1	1 2	-	-	-	-	1	- 0	-	Burn and Scald Poison	4'1 2'0	4	=	99	1	-	1	-	-
Rickets†	3.1	5	2	3		-	-	2		Drowning	5.9	111	10	-	-	2	-	2	-
Cancer	54.7	69	-	-	1	9	29	30	-	Otherwise	2.7	5	5	1 -	-	-	-	-	-
Tabes Mesenterica – Tubercular Meningitis –	34'8	27	20		1	-	-	-	-					-	-	-	-	-	-
Phthisis	161.3	123	9	11 2	9	69	34	8		(HOMICIDE.)	7:5					_			
Scrofula, Tuberculosis -	18.2	21	14		1	2	1	-	-	Murder & Manslaughter	1.2						_	_	
Other Constitutional Diseases †}	10.2	6	-	-	2	-	1	3	-	(SUICIDE.)									
			1	-		-		-	-	Gunshot Wound	0.8	4	-	-	-	8	1	-	-
Premature Birth Ateleotaeis †	34.8	46	43		-	-	-	- 1	-	Poison	1.6	ī	=	-	-	1	=	-	-
Congenital Malforma-)		1 7	1 7					-	-	Hanging Otherwise		2 2	=	-	-	1	1	1	=
tions }		7	7		-		-	10		Otherwise			!		-	-	_	_	-
Olu Age -	40 0	33	-		-	-	-	16	17	(EXECUTION.)									
Apoplexy		31	-	-	8	1	9	17	1	Hanging	0.1	-	-	-	-	-	-	-	-
Epilepsy Convulsions	8'0	5	1			2	-	-	1				-	-	-	-	-	-	-
Other Diseases of Rrain)	43'4	48	43		1		-	-		OTHER CAUSES †	71.0	58	47	8	-	-	-	5	1
and Nervous System	72.0	55	8	8	7	4.	11	16	1										
The numbers in this					-			-					_		_	_	-	_	_

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population.

As the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When a medical attendant does not certify that the descased has, or has not, been vaccinated or when the cause of death is not certified by a registered actitioner, the case is returned under the heading "no statement."

The ordinate at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, analoughter, or suicide. All such cases are classed under "accident or negligence.",

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarler during the Week ending

							Servenne senes				CONTRACTOR	nakazangan M	dari	ng t	ie M	eek	end	ing
•							The	0 1) 2 4	THE	regist	erad i	n the	we:	sk ine	lade			
	Chame-			Dast	ha of				٠.	Dest	ha fr	om						
REGISTRATION SUB-DISTRICTS.	rated Popu- lation 1881	Total Birres.	Total DEATES.	Year of Age.	Persons aged 60 Years a upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrhos.	Violence.	Inquest Cases	Deaths in Public Institutions.	Uncertified Causes
LONDON	3,815,704	243 3	1413	433	294	-	30	20	28	18	-	24	1	105	61	107	335	13
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON WEST DISTRICTS.	669,638 905,947 282,238 692,738 1,265,148	375 519 122 480 937	200 816 92 310 482	52 90 20 102 169	48 72 18 47 103 6	-	2 2 12 14 -	1 3 - 6 10	1 11 - 7 9	2 1 2 2 11	-	5 6 2 7 4	1	9 18 7 24 47	5 16 6 9 25	10 29 10 26 32	61 70 25 77 89	2 11
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69988 87880	49	16 9 41	8 -	3 2	-			1 -		-	3	-	1 - 3	2	1 - 2	5	-
Rensington Town Ww - W.M. & C. Brompton H - W.M. & C. St. Peter Hammersmith - W.M.	120141 43010 7899	63 22 4	8	5 1 4	18 2	-			1	-	-	-	-	1	-	1 6.1	18	
St. Paul Hammersmith H W.M. & C. Fulham Web - W.M. & C.	64346 42900 15049	53 62 13	24 22 5	7 9 8	8 6	-	1 -	1	-		-	2 -	1 + 1	3 -	1 -	1	5	-
Chelsea North WHHHHHH C. C.	42683 30396 80353	26 17 3	9 18 8	5 8 1	1 4		-		-	-		- 1	-	-	1 1 1	ī	3 2 7	-
Belgrave WHHH- St. John Westminster HHH - C. St. Margares Westminster H - C.	50220 35498 24679	23 14 10	16 8 8	3 -	3 1 2		-	-	-	1 -		-	-	1	1	1 2 -	7	-
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHH N.R.	29941 18608	. 7	5	2 -	-	-,	-	-	-	-	-	-	-	_	-	-	ī	1 1
NORTH DISTRICTS. All Souls Marylebone HHHHHH - W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb, HHH G.J. & W.M. Christchurch Marylebone HH - W.M. St. John Marylebone H - W.M.	26759 14991 24309 21118 83700 33638	10 1 29 12 16 30	11 2 6 6 8 4	1 - 21 4 8 8	4 1 2 - 1 3	111111	11111		11111	11111	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11111		1	1	1	1 1 -	111111
Hampstead WwHHHHH - N.R. & W M. Regent's Park Paneras H W.M. Tottenham-court wHHHHH N.R. & W.M. Gray's Inn Lane HHH - N.R. Somers Town H N.R. Camden Town WH N.R. Kantish Town W N.R. Kantish Town W N.R.	45452 89115 27729 30247 84369 17811 87487	25 15 10 15 8 49	10 12 12 12 12 11 36	8 2 5 6 2 8	3 1 2 10		1	11111	2	111111		1		1	1 1 2 1	1 1 2 1 2 4	8 1 9 5 1 5 4	1 111111
Upper Holloway WWwHH - N.R. Islington South-west H - N.R. Islington South-east - N.R. Highbury H - N.R.	67946 100976 61895 52048	47 57 84 25	40 29 24 8	8 5 10 2	16 7 4	0	1111	2 -	1	1111		1 1 -		3 2 1	3 2 -	4 4 3 1	16	1111
Stoke Newington H	92781 9277 87610 76911 39883	9 9 23 60 25	5 35 35 12	1 1 4 11 8	1 5 4 -	- 1 1 -	1111	1	3	- - - 1		3	-	2 1	1 1 00 1 1	3 1	- 5 12	4 1 1 1 1
CENTRAL DISTRICTS. St. George Bloomsbury N.R. St. Giles South WH N.R. St. Giles North H N.R. St. Martin-in-the-Fields HH N R. & C. St. Marty-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton wo.	16681 14864 13887 17508 7515 8559	3 9 9 4 1 2	7 5 2 4 1 5	3 1	1 1 1		111111	-	1 1 1 1 1 1	1	1 1 1 1			1 1 1 1	1 - 1	1 1 1	- 02 - 02 - 0	1 1 1 1 1
St. Geothe-Martyr HHHHHHH N.K. St. Andrew Eastern W - N.R. Saffron Hill H N.R. St. James Clerkenwell N.R. Amwell Clerkenwell N.R.	18671 10706 6538 17516 19281	7 9 6 8	1 11 2 - 6 4	1 1 1 01 1	1 2 - 2 1	1 1 2 1 1 6		11111						3	11111		5 1	
Goswell-street N.R. Cid-street H N.R. City-road HHL N.R. Whitecross-street N.R. Finsbury - N.R. Holborn Union Workhouse, Mitcham w.	14778 17506 11541 18628 9217 7468	10 10 17 6 2	2 7 1 7 2 1	1 1 5 1 1 -	1 1 - 1		1 1 1 1 1 1	1 4 1 1 4 1		1	1 1 1 1 1	111111	1 1 2 6 6 5	1 2 -	1 + 1 1 + 1	11111	1	111111
Bt. Botolph H N.E. &E. L. Cripplegate N.E. St. Sepulchre H N.E. St. Bride W N.E. Allhallows Barking N.E. Broad Street H N.E.	11174 7193 5858 8396 18666 5652	1 1 2 2 2 1	3 2 14 1 8 1	- 111	1 1	11111	11111	11111	1 1 2 2 1 1	1 1 1 1	1.1.1.1.1.1		111111	111111	1 - 1	1 1 1 1 1 1 1	10	1 111111

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated increme, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving immates from other Districts tains that in which it and dr. Car do may repeated signify the Water Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambath; N. R. New River; E. L., East London; and K., the Kont Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district irday, 4th October, 1890.

		_																
							The	DEA	THS	regist	ered i	n the	Woo	k ine	lude			
	Enume-			Deat	ths of					Death	s fron	n				1	1	1
REGISTRATION SUB-DISTRICTS.	Population, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measica.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typius.	Enteris (or Typhoid) Fever.	Simple con-	Diarrnea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Frenth.
EAST DISTRICTS. solution South HL® - N.R. on New Town w - N.R. on Old Town - N.R. erston WH - N.R. & E.L.	22348 29937 28036 46275	18 22 21 27	6 16 9 27	1 5 6 9	8 1 6	1111	2111	1111	1111	1111	1111	-	1111	1 2 3	1 1	2 1 -	1 7 11	1 1 1 1
nal Green North H - E.L. nal Green South E.L. nal Green East WHL^* - E.L.	81157 34399 41408	34 16 31	17 8 16	9 4 5	3 - 3	-	1	-	- 1	- 1	-	1	111	- 1	1	3	7 7 8	-
fields - E.L. & N.R. End New Town W E.L. & N.R. echapel Church H E.L. & N.R. ate - E.L. N.R. & E.L.	22585 15478 17490 9713 6102	19 14 20 8 5	6 6 30 2 3	1 - 1	2 1 2 2 -	11111	11111	11111	1 2 -		11111	2	1111	111	- 1	1 2 1	3 20 -	11111
eorge's North - E.L. ohn, St. George East W E.L.	88747 8410	25	19	7 4	2	:	3 -	-	-	-	-	-	-	3 -	-	2 -	3	1
well H - E.L. & N.R. liff - E.L. house - E.L.	10895 16107 32041	5 8 22	11 5 12	5 2 5		7.1.	1 -	- 11	- 1		1	- ī	-	-	1	ī	6	
End Old Town West H - E.L. End Old Town East WwwH- E.L.	1	35 48	16 23	5 8	4 3	12	1	1	1			1	-	2 2	2	2	3	1 -
L* E.L. aley wowH E.L. E.L.	37074 64359 55077	23 51 34	16 33 22	7 8 6	1 9 1	11.	1 1 1	2 1 2				1	-	1 - 4 3	1 -	1 2 6	2 12 11	7 - 1
South Districts. tchurch Southwark ## L. & S. ariour Southwark S. E. & L. & S. & S	14999	8 10 13 9 14 22 84 18	8 4 6 12 10 12 23 12	1 3 4 2 6 3 6 3	1 - 2 1 7 7	Transi	1 10 1 1 1 1 60	11111111	a partitude l	1	tinijini)		111111	1 2 1 4	1 1	1112	1 - 5 - 2	1 - 1
lave WH S. & L. her Market S. & L. lary Magdalen W - S. ames Bermondsey - S. erhithe WH S. & K.	11956	15 10 12 45 23	22 6 6 14 14	1 2 1 7 8	1 6	11111	11111	2011	1	1 1 -	11111	11111	1 - 1 - 1	2	1 3 2	7 - 1 8 2	15	11111
Prior-road lat H - L. & 8.	15195 16361 19876 39859 45232 35832 62837 19017	9 20 7 24 23 15 33 18	6 4 14 15 11 11 11 4	4 8 5 3 1 8	1 5 2 5 4 -	1111111	71 + 11 J.71 -	1		1	11111111	1	111111	2 1 2 1 1 - 3 -	1	1	1 9 7	111
Battersea	54675 52587 36380 28004 13235 25553	46 53 26 29 6 32	18 18 6 11 1	11 5 3 2 - 5	1 7 1 2 -	111111	2	1;	11111	1 - 2	1.11111	11111	1	2 - 1 1 1 1	1	1 2 -	6 - 1 - 1	2
tich L. & S. berwell WwL*L* - S. & L. ham W S. , L., & K. eorge Comberwell L. & S.	5590 59104 71089 50810	2 88 52 39	28 26 12	8 11 7	- 6 9 2	1111	1		1	1 1 1 1		1		2 1 8	1 2	1 1 2	11 2	17.1
aul Deptford w K. licholas Deptford K. nwich West H K. nwich East WHH K.	76752 7901 21973 24605	69 4 23 23	83 4 4 18	12 2 2 7	8 - 6	1111	2 1 -	6	1	1		1		5 1 1 1 1	2	2	6 - 8	- 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 -21559 19865 26076	4 7 20 11	1 6 9 8	1 1 4 8	3 4 2	1 10.1		1111	1	11			-	2	1	1111	1	
ton HH K. wich Dockyard K. wich Arsonal HH K. steead, West H K. istead, East W K.	10930 17617 19045 14009 19241	7 14 14 11 28	3 7 10 4 19	57.	1 2 4	11111	1	1	1	11111	11111		11111	1 2		-	1.	
ital Ships and Camp, Dartford	- 1 -	111111	1 1 2 3 - 5	11/11/11	1 1 1 0	111111	i i i i i i i	1111111	111111	111111		1111111		1111111	11111111	1111111	1 1 2 3 5	1111111
lead Asylum Hill Asylum	- 1- 1	-	5 1 -	=	3 -	-	1111		-	1 1 7	1.1 7		100 100 100	-	- 1	-	1	

TABLE 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylum Area; Population; Births and Deaths registered during the Week ending Saturday, 4th October, 189

		Area				1			The D	EATHS	regist	ered la	the V	Week i	nelude		
Regis-		in Acres,	Enume-			Deat	hs of				Death	from					
District	REGISTRATION	inelu-	rated	ng Ele	rHS.	7	de.		!			ugb.		1			Public ons.
sub-	SUB-DISTRICTS.	Tidal Water	Popu- lation,	BIRTHS	DEATHS	under of Age.	aged	ı		Fever.	ia.	Whooping-cough		à		Cases	Deaths in Put
listrict Num-		and	1881.	m	Ω	ar of	ons ,	l-po	sles.	let F	Diphtheria	opin	i.	rhos	Violence	Inquest	the
hers.		Fore-	3) 2.			Infants Year	Persons aged Years & upw	Small-pox.	Measles.	Searlet	Uiph	Who	Fever.	Diarrhose.	Viol	Ingt	Dea
-															10	02	01
LON	DON-OUTER RING	370,924	950,957	802	344	115	67	-	15	3	8	10	5	17	12	23	35
30:1	Cambaltan and	12228	21118	7	3	1	1	_	-			_		-	-	-	
2	Carshalton wL - Epsom (part of)* WwH	9971	10710	5	4	8		-	-		-	-	-	-	-		1
87:1	Godstone (part of) * -	2754	1235	1	-		-		-	. *.	-	~		4		-	-
38:1	Croydon Ww L -	20851	101241	63	41	13	12	-	8	2	1	. 1	1	1 -	1	4	8
39:1	Wimbledon HHH	11697 3220	17932	13	4			-	-			-	-	1		-	-
2	Kingston WHH	8549	36354	21	8	2	1	- 1	-	-	-	1		-	-	-	4
3	Esher (part of) * -	6601 4573	9221 13539	-6 9	8	1	1		-	-	1	-	Car .		-	. 1	-
40:1	Hampton H Richmond WH	2272	21302	8	7	1	3			-	-	-	7.	0-	1	2	1
2	Mortlake	2941	12331	11	4	1	-	-	1	-	- 1-	-	-			-	
41:1	Bromley (pt. of) * HH	15669	81143	30 8	10	3	4	-			-	1	1	1	- 1	-	1
42;1	Chishrst(pt.of)* WHH Bexley H	14507	15844 24134	80 80	10	3	3		1	-	-	-		-	1	1	
2	Dartford (Ww, pts. of)*	10101	-	-1	-	-	-	-	-	-	-	-	-	-	-		-
124: 1	Sunbury 10	11055	11688	7	4	-	1		-	-	-	. 1	-	-	1	1.	-
2	Staines W	18277	12089	9	8		1				-		_	-	_	_	1
125:1	Hillingdon WHH - Uxbridge	6029	10802 5225	8 2	1 -	-	-	1-1	-	-	-	-	-	-	-1		. 4
8	Hayes wHL	14587	11523	8	2	1	-	-	-	-	-	-	-	-		-	7
126: 1	Isleworth WHH -	7008 2477	22727 12479	6 8	10	4	2	1	-	1	-	1	-	-	-		7
8	Twickenham H Brentford HL	4345	27649	25	3	2	1	-	1	-	-	-	-	1	-	1	-
4	Chiswick	1340	15975 22876	13 16	9	5	1		1 4	-	1 -	-	-	1	1	2	-
127:1	Harrow H	13809	12796	7	6	1	1	-	-	-	-	-	-	1	-	1	-
2	Edgware H -	- 6994	8749	8	-	-		1-1	-	-	-	-	-	-	-	1	-
8	Willesden Hendon W	4383 8382	27453 10484	8	12	2	3		1	-	-		1	2	-	-	3
137:1	1	9331	6621	6	-	-	-	-	_	-	-	-	-	-	-	-	-
2		1		-	1		-		-	-	-	-		-	-	-	1
128 ; 3	Court manner	15599	6391 10092	4	3	1:	1	-	1	-	-	-	-	-	1	1	1
8	Distance	5433 4683	17615	2 15	6	2	3	-	-	-	-	-	-	-	-	1	-
185 : 1	1	3306	588	-	-	-	-	-	-	-	-	-		-	-	-	-
129:1	Light Mood	8089	37078	22	9	3	8	-	1	-	3	-	-	- 9	1.	2	3
1 8	FORDERS	4642 7483	46456 23463	68	23	11 4	3	-	1	-	-	2	-	-	1	2	4
	Enfield WH	19653	19104	17	_5	1	-	-	-	-	-	-	-	-	-	-	7
		11017 8480	7735	5	6	1	8	-	-	-	-	1	1	1	1	-	-
186 : 1	1		88606	82	11	3	2	-:		1-	-	-	1	2	2	2	1
1 3		4055 3296	90847 10706	110 26	38	18	3	1-	2	-	-	1	1	2	1 -	2	1
	Leyton WwL		32480	45	93	10	5	-	-	-	2	=	-	-	-	-	1
107.		6520	28869	33	23	10	3	-	1-	-	2	2	-	2	1	-	
187:	Chigwell (part of) * E Epping (W, pt. of)*	11761	9669	5	1 -	1	-	-	-	-	-	-	-	1	1.	-	
189:			1	-	-	-	-	-	-	-	-	-	-		-	-	1
_	Barking Town	- 8498 - 4127		8	3	1	-	1:	-	1	-	-	1	1.	-	-	1
	Darking TOWN .	412)	9208	1 70	11 .8	1. 4		1		1	-	1	1 4	1			1

^{*} The parts of sub-district, except the parabes of Asnstead and Headley (pop. 1265); 37:1, the parabes of Warlingham and Farley in Godst district; 38:3, Esher sub-district, except the parable of Esher (pop. 1993); 41:1, Bromisy sub-district, except the parable of Cable (pop. 1818); 41:2, Chislehurst sub-district, except the parable of Cable (pop. 1818); 14:2, Chislehurst sub-district, except the parable of Cable (pop. 1818); 15:1, the parable of Nortanaw in sub-district; 187:1, Chigwell sub-district, except the parable of Theydon Bois (pop. 875); 189:1, the parable of Nortanaw in sub-district; 187:1, Chigwell sub-district, except the parable of Theydon Bois (pop. 875); 189:1, the parable of Dagonham in Remford sub-also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

BLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 4th October, 1890.

	Area			L RATE	1		The Da	ATH	regi	stere	d in t	he W	eek	inelud	le	
GREATER	in Acres,	Estimated Population.		0 living.	DEATHS	Deat	ths of			1	Death	s from	m			ublio
LONDON.	including tidal water and foreshore.	middle of 1890.	From All ('auses.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Suall-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fover.	Distribus.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	-	11.	12.	13.	14.	15.	16.
TER LONDON	448,334	5,758,500	15.9	2.6	1757	548	361	-	45	23	36	28	30	122	73	370
ner London . Ter Ring .	77,410 370,924	4,421,661 1,336,839	16·7 13·4	2·7 2·3	1413 344	433 115	294 67	1 1	30 15	20	23	18	25 5	105 17	61 12	335 35

E.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal '522 square miles, which is equivalent to the area of a circle having a radius of 14'933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,189,292 Persons.

	POPULATION				ANNUAL	DE	EATHS	FROM	PRIN	ES.	ZYMO	
DITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	DEATH- BATH- per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
UTTA	433,219	August 16	-		100	_	-	-	_	_		
BAY	773,196	September 9	269	415	23.3	-	1	ģ	9	9	127	44†
RAS	398,777	August 15	411	438	57.1	4	6	5	5	9	106	132†
8	2,260,945	September 27	882	799	18.4	4	13	1	18*	7	16	103
Faubourgs.)	477,288	" 27	228	178	19.4	-	1	-	-	140	4	31
TERDAM -	406,302	27	-			-	-	-		-	w	44
TERDAM .	203,486	" 27	-		- 1	-	-	-	-	-	-	
HAGUE .	156,497	39 27		, -		-	~	-	tea		-	-
- MEDAHM	312,387	27	189	109	18.2	-	3	4	5	1	1	9
KHOLM -	236,350	,, 20	146	97	21.3	-	_	4	4*	2	1	20
STIANIA -	143,300	,, 27	54	50	18'1	-	-	3	3	-	-	9
RTERSBURG	8 42,000	. , 20	-	347	21.1	5	3	19	11	3	8	45
CIN	1,526,887	, 13	765	600	20.2	-	1	5	39	8	8	142
BURG(State)	575,276	20	384	240	21.8	-	1	3	8*	4	-	36
SDEN	269,250	20	172	111	21°4	-	-	1	2*	~		15
BLAU	324,400	** 27	211	170	27.4	-	-	4	9*	2	3	25
ICH	298,000	,, 27		130	22.7	-	1	1	1	3	1	27
INA	822,176	,, 27	396	300	19.0	-	2	3	7	-	4	45
GUE	314,425	3, 27	-	131	21.7	-	-	2	2		.5	7
A-PESTH -	463,017	» ; 20	282	268	30.1	-	***	. 8	12	1	4	35
ISTE	160,092	39 27	66	65	21.4	-	-	-	1	1	-	9
x	418,217	August 30	187	167	21.3	-	-	-	-	1	14‡	28
IN (10 days)	314,827	,, 20	238	182	21.1	2	-	1	-	. 1	8	51
ICM	156,515	September 13	72	. 66	22.0	5	1	-	1		1	12
RO	374,838	. , 4	- \$38	370	51.3		1		4*	4	18	131
MANDRIA -	231,396	A	.189	204	45.8	-	-	-	2*	-	14	47
YORK -	1,617,997	, 13		686	21.8	-	7	3	13	14	17	109
OKTAR .	859,612	,, 13	-	367	22.0	-	-	-	11	7	4	63
LADBLPHIA -	1,064,277	" 13	-	349	17.1	-	-	4	5	3	10	40
TIMORE .	500,343	, 13		164	17.0	-	-		-	2	13	16
V ORLEANS -	254,000	,, 6	-	-	-	-	-	-	-	-	-	-

Including deaths from croup.
 Including 3 deaths from cholera in Bombay, and 46 in Madras.
 Including 6 deaths from malarial fever.

TABLE 9.-METECROLOGICAL OBSERVATIONS taken at the ROYAL USSERVATORY, GREENWICH, during the Week ending Saturdey, 4TH OCTOBER, 1966. Under the Superintendence of the Astronomer Royal.

ter decreased from 30'15in. at the heginning of the week to 29'55 in. The results of all the meteorological observations are to be understood as applying to the 1.3 barometer is 159 feet above the mean level of the sea; no eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are and minimum thermometers, forming the mean daily value of temperature of the air-column 8; The mean daily daw point femperature and degree of humidity are deduced from the mean daily values of the dry and wee built thermometers by datasher's hygor-The average temperature of the air is that derived from a discussion of the photographic The thermometers in the water of the Thames are suspended at a depth of two fest below the surface, at the end of one of the jetties of the Torongio, Cattle Markets at Deptem, and there readdings are registered by the Clerk of the Markets, under instructions from the The numbers in column 29, derived from the Campbell-Stokes Sunshme Instrument, show With the corrected mean reading positive; N. negative; w. weak; m. moderate; s. strong; and converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and of the dry bulb thermometer is combined the corrected mean of the readings of the maximum In reading the columns 9 and 25 it will be borne in mind that + indicates. "higher," and records made at Greenwich during the 20 years ending 1868, and that of homzontal measurem Corporation of London.
The record of Blectricity is derived from Thomson's self-registering Electrometer.
Symbols employed are:—L. positive; N. negative; w. weak; m. modesue; s. shrong 0000 Sura 0100 26 etric records for the 16 years ending 1875. of of 16 Years. of the Air Average Miles. 75 +248 23 +186 Sum +914 +126 Robinson's. Observations are usually taken at 9h. A.M.: noon: Sh. P.M.: and 9h. P.M. Horizontal Day. Sum 2669 24 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. during the twenty years ending 1868 for the thermometers. 233 Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. .bs. 0.0 est. of the air from a discussion of the anemome civil day, or from midnight to midnight. WSW. & SW WSW. &SW SW. & W. WSW P.M. General Direction. 07 23 WSW.&SW. SW. & WEW NNN. KNIN A.M. SW. 19 Of the Water of the Thames at Deptford. metrical Tables. Low-8.09 58.0 58.0 59.5 est. 18 v. variable. TEMPERATURE. High. 59.5 9.69 60.3 est. Lowest on the Grass. 0.8 0.4 6.08 32.5 Of Radiation, 41.3 8.05 16 and fine Cloudy till afternoon; fine afterwards with small mounts of light cloud till 10h. P.M.; then cloudy. Overcast till afternoon; partially cloudy till evening; generally cloudless at night. High-est in Sun's Rays. Overcast in early morning; fine and partially cloudy till night; then overcast. 22.0 15 Degree of Hu-midity Cloudless till 4b. A.M.: 'partially cloudy till evening; overcast at night. Variable in morning; overcast afterwards. 140 96 7.4 81 62 61 91 GENERAL REMARKS. Difference between the Air Temperature and Dew Point 0.0 Temperature. 0.91 est. 7.03 8.61 14.2 15.3 12 fine; generally Mean daily 8.7 8.8 9.9 Cloudless and very Mean daily Of the Dew Point. 9.61 1.69 10 De-parture from Average of 1.3 Very + + + + TEMPERATURE. 8.62 Registered Sun above Sunshine, Horizon, in hours. 2.99 11.7 9.11 9.11 11.4 Of the Air. Daily 18.8 9.91 8.91 22.2 0.41 1.61 2.3 4.9 1.5 54.7 21.1 9.79 est. 0.55 8.67 1.65 2.99 8.99 2.89 10 (For explanation of symbols, see Note.) ELECTRICITY. 29.610 30.032 29.870 30.182 30.102 in. W. P. W. P. W. P. Moon. W. P. w. P. in , EG. 88 58 68 8 SEPTEMBER. MONTH AND OCTORER. No. of Col. SEPTEMBER. 1890. DATE. WEDNESDAY DAT. THUBS. OCTOBER THURSDAY. MERANS TUESDAT WRD. MOMDAY FRIDAY SOM RET.

100

OFFICIAL COPY.

RETURN WEEKLY

LONDON DEATHS IN AND

ND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, OCTOBER 11. [Price 1 d. No. 41, 1890, Vol. LI.

> General Register Office, Somerset House, 13th October, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.8 per 1000 of their aggregate population. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	7	Weeks	ending		Weeks ending
Towns.	Sept. 20.	Sept27.	Oct.	Oct. 11.	Sept. Sept. Oct. Oct. Oct. 20. 27. 4. 11.
Birkenhead	17.9				Liverpool 22·1 25·8 22·0 21·7 16·2 17·2 16·7 17·4
Birmingham Blackburn -	19.0				Manchester - 31.6 32.6 30.6 29.0
Bolton -	20.7	23.9	16.7	22.5	Newcastle-on-Tyne 26.6 25.6 31.4 25.9 Norwigh - 15.3 27.9 28.4 20.8
Bradford - Brighton -	14.1				Nottingham - 15.8 14.3 18.7 17.7
Bristol -	14.1	15.0	14.1	14.6	1-0 0 00 7 00 7 04 7
Cardiff - Derby -	24·1 12·9				Portsmouth - 18.2 21.9 16.4 18.2
Halifax -	17.8			23·5 19·4	
Huddersfield Hull				17.8	Sheffield 25.2 20.8 26.6 21.1
Leeds -	21·9 17·9			22.9	
Leicester -	17.9	10.0	19.9	13 0	II workermampion 100 of the first

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.5 in Manchester and in Bradford, 1.8 in Bolton, and 2.2 in Cardiff; from scarlet fever, 1.1 in Sheffield; from whooping-cough, 1.6 in Norwich; from "fever," 1.5 in Portsmouth and in Birkenhead; and from diarrhead, 4.5 in Bolton, 5.5 in Blackburn, and 6.4 in Preston. The 61 deaths from diphtheria included 38 in London, 7 in Salford, 3 in Manchester, 4 in Portsmouth, 2 in Derby, and 2 in Halifax. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2409 BIRTHS and 1472 DEATHS were registered. Allowing for increase of population, the births were 317, and the deaths 59, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.2 and 16.7 in the preceding two weeks, rose again last week to 17.4.

The 1472 deaths included 38 from measles, 20 from scarlet fever, 38 from diphtheria, 29 from whooping-cough, 24 from enteric fever, one from an ill-defined form of continued fever, 94 from diarrhea and dysentery, 2 from choleraic diarrhœa, and not one from small-pox or from typhus; thus, 246 deaths were referred to these diseases, exceeding by 51 the corrected average weekly number.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

No death from small-pox was registered, the corrected average being 5. The deaths from measles, which had been 22 and 30 in the previous two weeks, further increased last week to 38, exceeding the corrected average by 11. The fatal cases of scarlet fever, which had numbered 16 and 20 in the previous two weeks, were again 20 last week, being 27 below the corrected average. The deaths from diphtheria, which had been 35, 38, and 28 in the preceding three weeks, increased again last week to 38, and exceeded the corrected average by 15. The 29 deaths from whooping-cough exceeded the low number recorded in the preceding week by 11, and the corrected average by 7. The deaths from enteric fever, which had been 18 and 24 in the preceding two weeks, were again 24 last week, and exceeded the corrected average by one. The 94 deaths attributed to diarrhæa, though fewer than the number in the preceding week, were 49 in excess of the corrected average; 89 were of children under 5 years of age. Two deaths of children under one year of age were referred to choleraic diarrhæa.

GREATER LONDON.

In Greater London 3156 births and 1846 deaths were registered, corresponding to annual rates of 28.6 and 16.7 per 1000 of the estimated population. In the Outer Ring 33 deaths were referred to diarrhæa, 12 to whooping-cough, 11 to measles, 10 to diphtheria, and 9 to scarlet fever. The deaths from scarlet fever included 3 in Brentford and 3 in West Ham sub-districts; 3 deaths from diphtheria were recorded in Edmonton, 2 in East Ham, and 2 in Leyton sub-districts.

DEATHS BELONGING to the SEVERAL SANITARY AREAS of REGISTRATION LONDON registered in the 13 WEEKS ENDING on 27th September, 1890.

			D-	usba 6	D. 1							
	Total		De	atns ico		icipal Z	ymotic	Diseas			In- er 1	to the
SANITARY AREAS.	Deaths from all Causes.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhea.	Deaths of Infants under I	Deaths under 1 Year to 1000 Births registered.
REGISTRATION LONDON WEST.	19,732	-	931	228	203	588	1	155	9	1881	6235	195
Paddington	446 612 477 490 487 265 209 106	111111111	18 43 41 57 23 14 17	2 4 2 5 1 3 1	2 6 10 11 22 2 2	9 5 16 14 5 5 5	17.17.17.13	3 4 8 6 3 1	1	46 50 64 83 87 15 21	138 183 159 196 138 53 68 27	194 187 234 246 203 150 188 208
North. Marylebone	696 199 1129 1282 978	11111	36 7 42 28 54	2 9 2 2 2 8 S	2 6 41 17 15	8 5 28 41 44	11111	5 9 6 14	1 1	64 12 112 112 85	181 45 863 422 294	165 120 200 177 178
CENTRAL. St. Giles St. Martin-in-the Fields Strand Holborn Clerkenwell St. Luke's London City	215 72 153 212 356 279 174	11111111	3 2 4 3 5 11	9 6 7 8	1 2 2 2 2 2 2 3 8	2 1 8 8 17 10 1	111111	2 1 2 1	111111	14 2 10 21 41 28	49 15 87 63 119 83	196 259 243 258 228 161 130
EAST. Shoreditch Bethnal Green Whitechapel St. George-in-the-East Stepney Mile End Old Town Poplar	685 705 476 883 853 574 820		16 17 26 19 23 24 37	15 9 10 7 7 8 9	10 29 14 5 4 11	28 15 7 14 12 18 29	1111111	7 6 5 5 4 10 14	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	85 66 48 52 81 47 73	232 231 169 129 112 185 263	216 202 264 295 233 187 180
SOUTH. St. Saviour Southwark St. George Southwark Newington St. Olave Southwark Bermondsey Bermondsey Bermondsey Combernithe Lambeth Battersea Wandsworth Cambetwell Greenwich Lewisham (excluding Penge) Woolwich Flumstead	184 389 603 75 478 198 1269 712 554 936 738 226 169 269	111111111111111111111111111111111111111	18 31 26 1 22 11 62 65 89 29 42 4	11 19 11 13 7 11 16 8 2 1	1 9 8 8 2 6 3 17 8 4 13 10 1	11 18 23 7 19 9 34 28 18 31 17 18		711119738551	111111111111111111111111111111111111111	9 42 62 8 53 21 104 95 7 49 83 60 13 13	51 130 210 17 142 65 432 800 175 289 259 61 42 86	228 250 225 160 198 186 202 236 173 159 199 139 126

In the above Table all deaths in Hospitals and in other Public Institutions within Registration London, as also 360 that occurred outside that area in the

Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, and the Metropolitan Hospitals and Asylums, have been distributed to the sanitary areas from which the deceased inmates were admitted. On the other hand, the deaths of 342 non-residents who died in these Public Institutions have been excluded from the Table.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30 08 ins.; the lowest reading was 29 78 ins. on Tuesday afternoon, and the highest 30 31 ins. on Thursday morning. The mean temperature of the air was 54° 3, and 1° 8 above the average in the corresponding weeks of the 20 years ending 1868. The mean showed an excess on each of the first four days of the week, a deficiency on Thursday and Friday, and again an excess on Saturday. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 9 7 miles per hour, which was 0 4 of a mile below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0 33 of an inch. The duration of registered bright sunshine in the week was 36 5 hours, against 35 4 hours at Glynde Place, Lewes.

The Registrar General has to acknowledge the courtesy of the London Water Companies who have furnished him with the average daily quantity of Water supplied during the month of September 1890; according to their returns 184,412,177 gallons or 837,869 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 240 gallons (109.0 decalitres), rather more than a ton by weight, to each house, and (assuming 7.8 persons to each house) 30.8 gallons (14.0 decalitres) to each person, against 30.1 gallons during September 1889.

COMPANIES.		Houses, &c. ied in	Average daily S in Ga	upply of Water
	SEPTEMBER.	SEPTEMBER.	SEPTEMBER.	SEPTEMBER.
	1889.	1890.	1889.	1890.
TOTAL SUPPLY	755,821	766,797	177,725,797	184,412,177
From Thames	364,359	369,720	88,925,771	92,932,225
	391,462	397,077	88,800,026	91,479,952
THAMES. Chelses West Middlesex Southwark and Vauxhall Grand Junction Lambeth	35,100	35,610	9,731,123 ·	10,029,275
	72,256	73,618	15,922,926	16,682,204
	111,504	112,508	24,572,920	26,673,140
	55,678	56,403	18,444,702	19,248,481
	89,821	91,581	20,254,100	20,299,125
LEA AND OTHER SOURCES. New River East London	152,871	153,661	\$3,160,000	34,749,000
	166,033	169,092	43,204,492	43,602,759
	72,558	74,334	12,435.534	13,128,193

Note.—The Return for September 1890, as compared with that for the corresponding month of 1889, shows an increase of 10,976 houses, and of 6,686,380 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATER SUPPLY DURING SEPTEMBER.

Water-analysis Laboratory, The Yews, Reigate, 4th October, 1890.

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of September.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.4, Tottenham 0.8, Colne Valley and New River 1.1, East London and Lambeth 1.8, Chelsea 1.9, Grand Junction and West Middlesex 2.0, and Southwark 2.1.

The water abstracted from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies had quite recovered from the effects of recent heavy floods and had again fully reached its normal summer quality. In every case the water was efficiently filtered

before delivery.

Of the water obtained chiefly from the River Lea by the New River and East London Companies, that delivered by the New River Company was again distinguished by its high degree of organic purity, ranking in this respect far above any of the other river waters. The East London Company's supply was equal in quality to the best of the Thames-derived waters. Both waters were efficiently filtered before delivery.

S S 2

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of excellent quality for dietetic use. These waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the Kent, Colne Valley, and Tottenham waters were clear and colourless; the New River and East London Companies' supplies clear and nearly colourless; and all the Thames-derived waters clear and very pale yellow.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports of the water supplied to that city "it is above the average quality of the samples examined during the year, both as "regards organic carbon and organic nitrogen, and its physical qualities were good."

Dr. Mills, F.R.S. of the Glasgow and West of Scotland Technical College, reports that the water

supplied to that city from Loch Katrine was "light brown in colour and contained a little " suspended matter."

The Registrar General, &c. &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR	Companies Local Authorities.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.	September 17th, Cab Rank, Horse Guards, Whitehall.	0 17.2	24.06	•086	·024	0	'143	•167	1.9	15.0
	West Middlesex -	September 17th, Cab Rank, Portland-road.	18.2	25.46	.092	.023	0	•147	•170	1.9	17.7
TO COLUMN TO THE TOTAL THE TOTAL TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO TH	Southwark	September 17th, Cab Rank, Bricklayers Arms, Old Kent-road.	17:2	26.16	•101	*025	0	•144	°1 6 9	1.9	19.1
Inner Circle.	Grand Junction -	September 17th, Cab Rank, Uxbridge-road, near Marble Arch.	17.5	25.72	*091	*025	0	•156	•181	1.9	18.6
Inner	Lambeth	September 17th, Cab Rank, St. George's- road, Southwark.	17.7	25*80	.083	•022	0	•153	•175	1.9	18.6
	LEA. New River	September 17th, Cab Rank, Tottenham Court-road,	17.6	28.92	•048	.018	0.	*202	•220	2.0	19.4
	East London .	September 17th, Fire Brigade Station, Commercial-road, E.	17.5	25.24	.078	*026	0	.177	*203	2.0	18.6
ej.	DEEP WELLS.	September 17th, Mill Lane, Deptford.	12.8	42.96	.016	•009	0.	.434	•443	2.2	29.3
Circl	Colne Valley	September 22nd, Bushey.	-	17:20	*049	*015	Ģ	*406	•421	2.0	6.6
Outer Circle	Tottenham	September 19th, Tottenham.	-	40.76	*038	•013	*060	••0	*062	2.9	22.1
	poration of Birming- am*	September 2nd, 98, Aberdeen-street.	14.4	27.92	.116	.014	*001	.216	*235	2.0	18.0
Co	rporation of Glasgowt-	September 15th, Loch Katrine Water.	14.1	2.2	•164	.020	0	•003	*023	•70	*63
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
† Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is be to read thus:—the Chelsea Company's water, collected on the 17th September, a the Horse Guards cab-rank, had a temperature of 17° · 2 °C.; 100,000 lbs. of it contained 24 · 06 lbs of solid matter; the organic substances, constituting a portion of this matter, contained '086 lb of carbon and 024 lb. of nitrogen. The above quantity of water also contained no animonia and 143 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 167 lb. The above weight of water also contained 1.9 lbs. of chlorine; and 18.0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left.

operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

	ı	
Ь.		
E		
20		
~		
96		
7	ı	
23	ı	
0		
	Į	
_	ı	
a	ı	
+-		
	ı	
bo	ı	
đ	ı	
	ı	
9	ľ	
	ı	
0	Ł	
145	ľ	
0	ı	
0	١	
>	ı	
1	ı	
4	ı	
16	ø	
出	ı	
	ı	
0.6	ı	
5		
屬		
_		
200		
5		
15		
0		
室		
22		
1		
9		
on		
64		
n 2		
111 2		
х 111 2		
GY IN 2		
OGY IN 2		
COGY IN 2		
DLOGY IN 2		
ROLOGY IN 2		
ROLOGY IN 2		
COROLOGY IN 2		
FEOROLOGY IN 2		
STEOROLOGY IN 2		
ETEOROLOGY IN 2		
METEOROLOGY IN 2		
METEOROLOGY IN 2		
d METEOROLOGY in 2		
and Metrorology in 2		
and METEOROLOGY in 2		
s, and METEOROLOGY in 2		
is, and Mereorology in 2		
HS, and METEOROLOGY in 2		
THE, and METEOROLOGY IN 2		
ATHS, and METEOROLOGY in 2		
EATHS, and METEOROLOGY in 2		
DEATHS, and METEOROLOGY in 2		
DEATHS, and METEOROLOGY in 2		
s, DEATHS, and METEOROLOGY in 2		
HS, DEATHS, and METEOROLOGY IN 2		
THE, DEATHS, and METEOROLOGY IN 2		
RIHS, DEATHS, and METEOROLOGY IN 2		
IRTHS, DEATHS, and METEOROLOGY in 2		
BIRTHS, DEATHS, and METEOROLOGY IN 2		
-BIRTHS, DEATHS, and METEOROLOGY in 2		
-BIRTHS, DEATHS, and METEOROLOGY in 2		
BIRTHS, DEATHS, and METEOROLOGY IN 2		
1 BIRTHS, DEATHS, and METEOROLOGY IN 2		
CR 1 BIRTHS, DEATHS, and METEOROLOGY IN 2		

										_	_				_		_	010									_					_	_	
	CITIES	BOROUGES,	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	PORTSMOUTH.	NORWICH.	PLYMOUTH.	WOLVEBHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD,	LIVERPOOL.	Borron.	MANCHESTER.	SALFORD.	Br Agrama	PRESTOK.	HUDDERSFIELD.	HALIPAX.	BRADFORD.	LEEDS.	HTTT	SUNDERLAND.	NEWCASTLE.	CARDIER.		EDINBURGE.	GLASGOW.	DUBLIAB.	
ALE.		In Centi- metres.	24.	94.0	0.84	44.0	1	1 0	1.40	2.26	1	1	0.13	1	1	92.0	1	2	3	1 1		1	4	0.58		0.61	1 0	ŧ	1		0.52	0.32	or o	
RAINFALL		·səqəuI ul	23.	0.30	0.33	0.50	1	1 00	0.00	68.0	1	1	0.00	1	ı	0.55	1		1	1	1 1	t	1	0.11	1	76.0	1 1	1	1		0.10	0.00	700	
AIR.	an.	.ebsrgitne	22.	19.11	12.39	84.11	1	1 00	2.33	19.01	1	1	11.50	1	1	02.11	1	1	1	8 1	1 1	1	1	15.00	1	41.11	7 1	1	1		12.11	11.83	60 1	
OF THE	Mean.	·liednerds)	21.	52.9	54.3	-	1	, 0	2.80	51.1		1	52.7	1	i	52.7	ı	1	1	1	3 1	1	1	53.6	8	1 02			1			53.3		
TEMPERATURE OF THE AIR.	.31	Lower Lower	20.	30.2	9.98	43.0	1	1 00	0.60	34.8	,	1	30.2	1	1	1.17	1	1	ŧ	1	ę I	ŧ	1	70.5	ŧ	0.70	O HO	1	1		35.6	32.6	0.70	
TEMPE	.38	Fahrenheit Lower	19.	9.89	9.89	63.0	1	, 00	63.0	63.9	1	1	4.99	1	1	63.1	1	ŧ	ě	1	1 1	3	1	0.19	1	- 0000	000	1 1	8	-	2.79		1.79	Of County
Mate 006, nding	he Deaths	From Diseases in Cols. 6-12.	18.	3.4	6.7	2.2	4.4	4 %	9.1	3.1	9.7	4.4	2.1	9.1	0.7		6.9	4.4	7.9	4 C	2.0	1.1	3.5	6.5	0.0	4 6	2 00	0.00	4.0		VINEDUICINA	3.5	20	
Annual Kate per 1000,	to t Week's I	From All	17.	8.61	17.4	6.91	18.5	20.8	9.71	6.17	20.3	19.61	17.7	12.4	25.3	21.1	22.2	29.0	27.0	20.08	94.3	19.4	23.5	25.6	22.9	1.17	0.66	0 0 4 6	95.4	-	6.41	19.5	10.0	
-	'maka	offit to an analy	16.	89	14	I	ı	1	1 00) 1	10	1	63	1	-	13	Н	60		2/3	1 6	1	83	Н	-	10	٦,	-	1 6)	16	25		CONTRACTOR OF THE PERSON
		Deaths in Public Touristicate Institution	16.	633	347	4	10	00 0	77	9	35	6	6	H	00	38	20	35	20	00 k	C F	4 60	9	10	100	n 1	- 0	0 14	10	77		24		to specification of the control of t
		laquest Cas	14.	225	113	Н	c3	1 0	9 4	7	11	00	4	1	ତୀ	13	c ₃	14	-	c7 c	20	y-4	Н	ಣ	00	9	ו כו	9 5	9 6	1	0.0	0.	10	The same of
nde		Violence.	13.	113	49		1	1 2	G 65) H	1	00	23	ı	1	11	H	00	1	67 r		۱	-	Н	00	4	- 7	1 0	N 6	1	100	10	70	ACTUAL DESCRIPTION OF THE PERS
k inel		.800 dTrai(I	12.	328	94	ಣ	4	, co	0 4	· 10	00	10	1-	H	67	2.5	10	15	10	en (100	3 00	21	18	56	=======================================	11	000	ء د	3	8	11	0	Co. microster pund.
The DEATHS registered in the Wesk include		Ferer.	11.	51	25	1	4	1	1 1	1	4	-	1	1	ಣ	00	1	-	4	1 +	- ·	1	-	67	63	1	1	ı	1	_	22	20	10	OCT PRODUCT
d in t	from	Whooping-	10.	49	59	-	1	63	1 1	1	1	6		1	c 3	2.1	1	1	-	1	1	1	1			-	1 ,		1 -	-	ī	10	63	CATTOO OF COMME.
gister	Deaths from	Diphtheria.	9.	61	90	ı	4	1	1	1 1	-	۱ ۱	1	61	1		1	00	2	1	1	1 1	22	1	1		Н	1	1 -	-	1	1	1	SOUTH THE REAL
THEF	a	Searlet. Fever.	8	58	20	1	1	I t		- 1	er.) I	-	1	1	00	ı	4	03	1	1 -	۱ ا	1	63	70	1-	1	1	<u>-</u>	1	1	67	1	TOTAL STREET,
O DEA		Mensles.	7.	92	300	67	1	1 ,	-	l ci	6	1	-			e9	4	11	43	-	1 0	3 1	1	1	~	<u></u>	H ,		1 2	ء ا		20	H	ALTEROPET CHANGE
Th		.xoq-llamS	6.	ı	ì	1	1	1	1	1 1			1 1	1		1	1	1	1	1	1	1	1	ı	1	1	1	ı	1	-	1	1	1	AND RECEDENTS
	the of	Persons aged 60 Years enaupmards.	5.	683	305	00	12	6	13	M 00) 10 0	2 5	- 69	00	0	93	11	35	6	-1	0	ه ه	10	14	67	13	16	13	ත 1	7	11	58	34	- OCCUPATION
		lo Tear of Age.		1204	486	13	200	16	6	12		00	96	10	16	81	13	C4.	42	20	37	24	9	35	57	45	37	62	27	7	28	09	87	CERTANOMOR.
uring			63	3688	1479	00	50	82	25	35.00	180	100	2000	24	57	255	20	211	106	20	78	69	37	118	160	135	72	09	55 1	22	93	195	182	South Contraction of the Contrac
Registered during	the Week ending	RIBTER, DE	oi	5593		2409	104	55	44	117	700	\$00g	#0T	6.5	29	321	17	125	163	19	87	70	07	126	214	101	118	104	124	92	132	417	169	And a second second second
H	POPULATION th	1 🛎		0 77 8 880	Section 16	4,421,661	142,952	95,352	78,780	232,248	69,400	461,865	154,344	244,500	100,001	613.463	115,846	279.437	242,509	146,716	123,553	105,163	82,034	240.515	863,799	332,837	213,833	126,506	162,987	117,012	271,185	530,208	353,082	-
-	P4		Cols.	İ	•	•	, ,				MOL		•				•	•	•	٠	•						•							Complete Springer
	Continue	AND AND BORUGHS.	5		28 Towns	LONDON .	BRIGHTON .	PORTEMOUTE.	PLYMOUTH .	BRISTOL	WOLVERHAMPTON	BIRMINGHAM	LEICESTER "	GHAN	I) FRBY .	BIRKENHEAD		MANCHESTER	SALFORD .	OLDHAM .	BLACKBURN .	PRESTON	HALIFAX	BRADFORD	LEEDS -	SHEFFIELD .	HULL .	SUNDERLAND	TIE	CARDIFF	LDINBURGH .	GLASGOW -	DUPLIN .	Annual Annual Printers and Administration of the Publishment of the Pu

TABLE 2. LONDON .- Births and Deaths Registered in the FORTY-FIRST Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2606	2550	2477	2504	2282	2582	2456	2358	2588	2595	2725·9	2409
	1318	1356	1256	1280	1168	1319	1237	1192	1330	1868	1398·4	1190
	1288	1194	1221	1224	1114	1263	1219	1166	1258	1227	1327·5	1219
TOTAL Deaths Males Females .	1405	1460	1563	1433	1344	1346	1274	1351	1536	1321	1530·8	1472
	742	741	791	758	664	667	675	653	768	679	778·4	785
	663	719	772	680	680	679	599	698	768	642	752·4	687

^{*} The numbers in this column are the average weekly numbers in the forty-first weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE S. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in

TABLE	g 3. 1	CONDON		DIETH	s, DE	ATHS,	and	METE	COROL	OGY 1	n the	Last	THIB	RTEEN	WEE	KS.
				July 19.	July 26.	Aug.	Aug.	Aug.	Aug. 23.	Aug.	Sept.	Sept 13.	Sept. 20.	Sept 27.	Oct.	Oct. 11.
TOTAL	Births	-	-	2346	2512	2557	2176	2527	2487	2614	2469	2539	2355	2458	2433	2409
TOTAL :	Death	s -	-	1522	1418	1683	1594	1751	1629	1659	1514	1410	1375	1458	1413	1472
Ages at Death	20-4 40-6 60-8	0 "	- - irds	823 157 249 250 43	798 132 227 219 47	938 186 232 277 50	915 171 225 230 58	1019 169 263 246 54	964 148 233 235 49	911 190 265 234 59	796 177 240 245 56	687 183 238 256 46	667 200 214 232 62	740 182 236 256 44	726 170 223 253 41	747 180 240 254 51
,,,	Under 1—5 5—20	1 year		445 277 101	438 282 78	554 286 98	549 294 72	635 294 90	603 292 69	525 282 104	459 247 90	395 217 75	376 227 64	429 207 104	433 193 100	436 213 98
99 9	, Mea , Scar , Dipl	sles - let fever itheria		104 12 19	94 13 20	82 19 36	95 17 22	80 27 15	73 16 20	60 24 26	56 18 16	39 18 18	33 14 35	1 22 16 38	- 30 20 28	38 20 38
99 2 97 9 99 9	Typl , Ente , Simp , Diar	oping-con hus - eric fever pleContafor rhœa ar ysentery	ever	56 6 1	62 2 - 107	45 - 11 1 177	37 - 11 1 176	39 - 16 1	39 11 - 255	39 - 17 - 180	18 1 1 128	35 1 18 -	38 - 21 - 94	29 18 2 86	18 - 24 1 105	29 - 24 1 94
39 1	, Cho		-)	1	1	7	4	10	12	7	5	5	32	6	3	2
"	", all mention	the above ed Diseas	e- }	310	299	378	363	450	426	353	288	251	238	218	229	246
,, ,		of Respira		216	185	215	197	208	203	184	180	210	187	222	262	197
	, Phtl., Dis.	of Circul	a-)	150	110	147	126	129	119	167	139	136	157	130	123	147
	1	ory System		117	107	118	119	113	116	100	120	114	136	104	100	123
Violent D Inquest Co Deaths in	ases	Institutio	ns	49 113 347	56 111 333	73 134 405	50 103 373	75 128 403	54 105 343	57 105 364	54 98 391	55 109 360	43 83 360	52 103 377	61 107 335	49 113 347
	f Highe	THE AIR st readings	s -	61·4 72·1 54·3	61.6 73.9 52.6	62·9 74·4 53·9	62°6 73°8 53°2	61·1 73·2 54·6	59·0 69·0 51·8	54·4 66·5 46·0	58·4 71·0 48·4	59·4 73·2 48·2	60·4 71·7 51·0	58·8 69·2 50·9	56·7 66·3 49·3	54·3 64·1 45·5
H amidity	of the	Air -	-	81	75	77	77	82	81	80	83	79	74	83	76	82
R sin-fall i				2.08	0.08	0.11	0.00	0.78	1.00	0.67	0.00	0.00	0.34	0.31	00.0	0.33
Registered	i Sunshi	ne (in hou	ırs)	21.7	44.6	31.9	30.2	32.6	31.9	36.5	26.8	48.6	50.7	24.9	36.9	36.5

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Smpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., H.O., Pikington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., M.R.C.S., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Forty-first Week of the Year 1890.

	or the	1	I: Satu	n the	We 11th	ek ei	ndin	g 1890	.		the		atn	In th	e W	ek e	ndin	2	
	42			eath		Perso	_				e 10 years	-	-	eath		erso			
AUSES OF DEATH.	Averages sks of the 1880-89.*		I	Unde	_	under 40.	er 60.	er 80.	and	CAUSES OF DEATH.	Averages iks of the 1 1880-89.*		1. 1	Unde			r 60°	r 80°	and .
	Corrected ,	ALL AGES.	0-1.	1-6.	5-20.	20 and und	40 and under	60 and under	80 Years upwards.		Corrected ,	ALL AGES.	0-1.	1-6.	5-20.	20 and under 40	40 and under	and under	Years
LL CAUSES	1530*8	1472	i	Ī	1	180	1	1		Diseases of Organs of Special Sense +}	2.5	8	1	1	1	64	-	09	32
mall- {Vaccinated; -	0.9	-	-	-	-	-	-	-	-	Diseases of Circulatory }		_	-		-	-	-	-	-
No Statement	2.3	-	-	-	-	-	-	-	-	System}	116 6	123	. 2	2	4	15	46	45	9
leasles	27·3 47·3	38	8 3	25 11	6	-	-	-		Croup	16:4	6	1.7	6	-		7.0	-	_
yphus	0.9	-	-		2 -	-	-	-	-	Bronchitts Pneumonis	171°0 77°6	112 59	41 16	25 13	3	6	13	23 11	6
elapsing Fever t	0.0	- 2	-	-	-	-	2	-	-	Pleurisy - Other Diseases of Respi- ratory System -	28 9	5 15	5	1	1	1 3	1	1	-
fluenza Thooping-cough	22.1	29	11	17	1	-	-	-	-					_		_			
iphtheria	28.0	33	4	27	7		-	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	10.3	10 2	8	2	ī	1	-	-	-
mple Continued and }	1.3	1	۹	-	-	-	-	1	-	Peritonitis	2·5 7·7 7·7	19	14	2	1	1	1	=	-
nteric Fever	22 6 0.8	24	2	1	9	11	3	-	-	Diseases of Liver - Other Diseases of	30.0	28 30	7	3	-	3	12	9	3
holers and Chol, Diarr. iarrhœa, Dysentery	41.7	94	70	19	_	1	1	2	1	Digestive System -}									5
emittent Fevert	0.3		-		-	-	-	-	-	Diseases of Lymphatic)	1.9								
ydrophobia – – landers – – –	0.0		-		-	-	-	-	-	System & of Ductless Glands †	1.9	4	-		2	2	-	-	
wpox and Effects of)	0.4	_	_				_			Diseases of Urinary									
Vaccination †	10.1	12	10	-	_	_	2	_		System}	38.2	41	-	-	3	3	11	23	1
rysipelas	68	8	-	-	-	-	-	3		Diseases of Generative						_			
mis and Septicemia †	3'6	5 3	-	1	1	2	-	1		System	3.8	3 4	-	-		3	2	-	٦
her Zymotic Diseases †	1.5	1	1	-	-	-	-	-	-				_			-	-		
rush	3.2	4	4					-		Diseases of Locomotive	7.1	5	2	-	2	-	-	1	
orms and other Para-}	1.0			-					_	Discourse								_	۳
sitical Diseases S							_			Diseases of Integumen- tary System}	7.8	1	-	-	-	-	-	1	٨
arvation, Want of Breast-milk †}	1.9	5	5	-	_	_	_												
soholism	5.7	9	-	-	_	5	2	2		VIOLENT DEATHS.§					1				
				-				-		(ACCIDENT.)	70.8								
neumatic Fever, }	7.5	7	-	-	8	2	1	1		Fracture and Contusion Gunshot Wound Cut. Stab	19.5 0.2 0.4	13	-	-	2 -	2 -	4	4	1
neumatism †	2.7	1 6	-	-	-	-	-	1		Burn and Scald Poisson	4.2	10	2	6	2	-	ĩ	-	
okets†	38	4	1	3	-	-	2	4		Drowning Suffication	4·4 9·9	8 7	5	-	2	4	2 1	7 7	
incer	85'3	63	-	-	-	6	26	28	2	Otherwise	2.4	1	-	-	-	-	-	ī	
abes Mesenterica – abercular Meningitis –	23.9	43	32	8	2	-	-	-		(Homicide.)									
athisis	175.2	147	3	1	19	70	45	9		Murder & Manslaughter	1.2		-	_	-	-	-	-	-
rofula, Tuberculosis -	16.2	19	7	4	3	2	2	1				-		-	-		-	-	
Diseases †}	11.0	11	-	-	1	4	3	3		(SUICIDE.) Gunshot Wound - ~	0.5	2				,	,		
remature Birth	39.3	44	44							Cut, Stab Poison	2.0	1	-	-	-	1	1	-	
telectaris +	3.2	2	2	-	-	-	-	-		Drowning Hanging	0.4	2 2	-	-	-	-	1 2	1	-
ongenital Malforma-}	5.9	8	6	1	1	-	-	-	-	Otherwise	0.7	2	-	-	-	2	-	-	-
ld Age	43.8	38	-	-	-	-	-	17	21	(1)									
poplexy	48.1	47	1		_	4	14	25	3	(Execution.)	0.5	_			_	-			
pilepsy	8.0	8	-	-	-	3	3	2	-					-		-	-		
onvulsions - Line Diseases of Brain	44'5	32	29	8	-	-	-	-		OTHER CAUSES †	62.8	81	63	9	-	-	-	3	1
and Nervous System	78.2	84	13	7	8	12	18	23	3					-	-	.	-		
The numbers in this c	olumn ar	e the s	vera	ge w	eekl	y De	aths	for 1	the ter	years 1880-89, raised by 9°04 for the eight years 1882-9 ha	6 per cer	t. for i	nere	850 0	f por	ulati	ion.		

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9°046 per cent. for increase of population 1 As the ten years average actual not be correctly assertained the average for the civity years 1832-9 has been used.

t as the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.
Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the cause of the post of the p

The evidence at inqueste in other insulticent to enable the Coroner to certify whether a violent death be the result of accident, murder, malaughter, or suicide. All nun cases are elassed under " accident or negligence.";

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarle during the Week endir

													darii	ng th	ie W	eek	endir
							The	DEA	THE 1	egist	ered i	n the	Was	k ine	lude		
	Enume-			Deat	hs of					Deat	bs fro	om					
REGISTRATION	rated	o Du		-	ds.				1	gh.	į	er.		-			Public
SUB-DISTRICTS.	Fopu- lation,	BIRTHE	DKATH	under f Age.	aged a upw	ú		Fever.	88	-cough		Or Fe	con-			Cases	Pu ions.
77.51	1881.	tal Bi			ons a	Small-por	des.	let F	theri	Whooping-	nis.	Enteric (or Typhoid) Fever	ole ec	rhœa	Violence.		hs ir
		Tota	Total	aniants Year o	Persons Years	Sma	Measles	Searlet	Diphtheria.	Мро	Typhus	Ente	Simple c	Diarrhes.	Viol	Inquest	Deaths in Institution
TONDON	3,815,704	2409	1472			_	38	20	38	29		24	1	94	49	113	
HONDON -	669.633	347	254	436	305 67		5	1	3	1		6	1	11	8	17	66
West Districts	905,947	544	812	70 79	60	-	5	8	13	10	-	7		18	12	29	81
CENTRAL DISTRICTS	282,258	138	114	27	22	-	:	1	4	8	-	4	*	6	5	15	38
EAST DISTRICTS	692,738	914	317 453	106	57		14	2	15	12	-	4 8		23	11	31	61
METROPOLITAN HOSPITALS AND	1,285,148		22	154	94	_					-			-	-		79
ASYLUMS OUTSIDE REGISTRA-					-5		-	1_	- 30	-	-	-	-		-	-	22
WEST DISTRICTS.	69893	43	30	7	7		1	_	2	_	_		_	1	1	3	7
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	87330	9	10	2	4	-		-	-	Ļ	-	1		î 1	-	-	4
Kensington Town Ww - W.M. & C.	120141 43010	43 20	11	13	13	-	-	Ξ.		1	-	1 -	1 -	1-	1	2 -	14
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J Fulham Ww W.M. & W.M. &	7599 64340	5 45	23	6	5	-	3	-		7-	-	1	-	3	2	3	1
Chalcas Vangel Town C.	42900 15049	55 16	39	19 1	8	-	-	1 -	-	-	-	1 -	-	3 -	1	2	9
Chelsea North WHHHHHH - C. C. Chelsea Sou h HHH - C.	42683 30396	22 12	15 13	2 5	9	-	1 -	-		-	-	-	-	ī	1	3	9
May Fair W G.J. Belgrave WHHH C.	80353 59220	6 32	20	1 2	1 6	-	-	-		-	-	. 1	-1	-	1	2	2 7
St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24679	22 5	9	3	3	-	-	-	· ī	-	-	1	-	-	-	-	5
St. James Westminster WHH N.R.&G.J.	29941 16608	10	14	7	4	-	-	-	-	-	-	-	-	1		-	1
St. Anne Soho HHHHHH N.R. NORTH DISTRICTS.	1,1008																
Att Canta Manulahana HHHHH, W M.	26759 14881	11 7	12	4 2	2	-	-	-	-	1		-	-	2	1	2 2	5
Cavendish Square HHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone HH G.J. & W.M. Christehureh Marylebone HH - W.M.	24309 21118	9 28	3 4	1	1 ~	-	-	-	=	_	-	-	-	-	-	2	1
Christehurch Marylebone HH - W.M. St. John Marylebone R - W.M.	33700 33633	16 10	8 5	1	2		1 -	100 T	-	1 -	-	1	-	2	ī	1	=
Hampstead WwHHHH- N.R. & W M.	45452	32	25	3	1	-	H	2	1	1	-	1	-	1	-	-	7
Regent's Park Pancras H - W.M. Tottenham-court wHHHH N.R. & W.M.	89115 27729	16 16	23	6	1.		_	-	1 3	1 -	- 7		-	-	1	1	13
Gray's Inn Lane HHH N.R.	30247 84369	10 20	9 5	3	-	-	-	-	ĭ	-	-	1	-1	1	1	î	5
Camden Town WH N.R. Kentish Town W N.R.	17311 87487	12 59	13 22	6	5	-	1	-	- 1	1	-	-	-	-	2	2 6	11
Upper Holloway WWwRH N.R. Islington South-west H N.R.	67946 100976	39 68	39	13 5	10	-	-	-	-	2	-	-	-	2	1	2	18
Islington South-west H - N.R. Islington South-east - N.R. Highbury H - N.R.	61895 52048	33 25	16 14	8	2	-	2	1	-	1	-	03 1	-	2	1 -	1	2
Stoke Newington H N.R.	22781	18	8	1	1	_	100	1	-	-	_	-	-	-	-	2	-
West Hackney H N.R.	9277 37610	28 55	9	4	11	-	-	- 4	1	-	-	-	-	-	1 -	1	-
South Hackney E.L.	76911 39383	23	15	3	6	-	1 -	4 -	1	2 -	-	2	-	3 2	1 -	2	15
CENTRAL DISTRICTS. St. George Bloomsbury - N.R. St. Giles South WH N.R.	16691	6	4	1	2		-					,			,		
St. Giles South WH N.R. St. Giles North H N.R.	14864 18837	12	2 2	1 -	1	-	-	-	-	-	-	1	-	-	1 -	1	1
St. Martin-in-the-Fields HH N R. & C. St. Mary-le-Strand H N.R. St. Clement Danes H N.R.	17508 7515	3	6 2	1	2	-	-	-	-	-	-	1		-	-	1	3
St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	8559	2 -	6	2	1 -	-	-	-	-	1	-	-	-	-	-	-	4
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W N.R.	18671 10708	13 7	13	2	2	-	H	-	2	1 -	-	-	-	1	-	1	8
Coffman Hill H N D	6533 17516	3 8	6	1	- 2		-	-	-	-	-		-	-	1 -	2	1
Pentonville N.R.	19281 14773	8 7	7 9	2	2	-	-	-	-	-	-	-	-	1	-	ī	-
Goswell-street N.R. Gld-street H N.R. City-road HHL N.R.	17506 11541	11 8	5 3	2	1	-	-	-	-	-	1		-	3	-	1	-
City-road HHL N.R. Whiteeross-street N.R.	18628 9217	21	8 2	4	1	-	-	-	-	-	-	-	-	-	-	-	2
Holborn Union Workhouse, Mitcham w.	7448	2 -	1 2	-	1	=	-	Į.	-	1.1	-	-	1 1	1	-	1 -	-
Bt. Botolph H N.K.&E.L. Cripplegate N.K.	11174 7195	6 2 2	3	3	- 1	-	-	-	-	-	49	-		-	-	_	2 -
St. Sepulchre H N.R. St. Bride W N.R.	889n	2	37	1	2	-	-	1	2	-	-	2	-	-	ī	2	16
Allhallows Barking N.R. Broad Street H N.R.	13666 5952	4 2	3	=	î	-	=.	1 1	-	-	-	-	-		1	1	-
			1]			-]				-	-		- 1	1	1	-

NOTE - The Italie letters placed against the names of the suo-districts denote Public Institutions situated therein, namely: W—Workhouse; d—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishms suo-districts:—4. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chaisa; S. Southwark and Vauxhall; L. Lambath; N. E. Me Kerr; E. L., East London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district saturday, 11th October, 1890.

							The	DEA	THE	egist	ered i	n the	Wee	k ine	ude			
	Enume			i)eat	hs of				1	Death	s from	n				-	1	-
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Year of Age.	Persons aged 60 Years & upwds.	Small-pos.	Measics.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteris (or Typhoid) Frver.	Simple con-	Diarraga.	Violence	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Postin.
EAST DISTRICTS. Shoreditab South HL^{\oplus} - N.R. Hoxton New Town \oplus - N.R. doxton Old Town N.R. saggestson WH - N.R. & E.L.	22343 29937 28036 46275	10 16 16 16 28	7 18 7 22	2 3 2 6	4	1 - 1 -	2	1	1 - 3	- 1		11-	1111	1			1	
Bethnal Green North H - E.L. Bethnal Green South - E.L. Bethnal Green East WHL* - E.L.	51157 34399 41405	88 20 27	23 7 16	10 3 3	3		1	1.1.1	- 2	1		1 1 1		2 - 1	4	4	2	
pitalfields E.L. & N.R. Mile End New Town W - E.L. & N.R. Whitechapel Church H E.L. & N.R. Joodman's Fields E.L. Aldgate E.L. N.R. & E.L.	22585 15478 17490 9713 6102	12 13 17 -	9 11 16 2 1	6:	2 - 2 -		1 -	11111	1	1 -		1	1111	1	11-	1 4 1	7 10 -	
St. George's, North E.L. St. John, St. George East W - E.L.	88747 8410	36 5	23 7 16	20	2 4	-	1	- 1	2	-	-	-		5	- 1	4	5	-
Shadwell H E.L. & N.R. Rateliff E.L. Limehouse E.L.	10898 16107 32041	7 24	13	6	3 2	-	3		ī	-				ī	ī	2	0 8 4	ī
Mile End Old Town West H - E.L. Mile End Old Town East $WwwH$ - E.L. Bow L^* E.L. Bromley $wwWH$ E.L.	37960 67653 37074 64359	20 46	10 30 12 37	7 10 5	6 4 10	-	2	-	2	11 11	4 4 .	-		. 2		1 1	3 1 20	2 -
Bromley wiese H E. L. South Districts. Christehurch Southwark WH L. & S. St. Saviour Southwark - S. Est. Sav	13663 14999 21381 15953 21818 26672 59555 21623	7 6 15 9 14 13 39 20	26 4 7 7 16 6 5 16 15	9 8 3 4 7 1 1 4 2	6 - 1 1 2 2		1 - 1 1 1 1	116,43,111, 14	1	2 1 1 1	40	2	11111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	3 1	1 - 4	
St. Olave WH S. & L. Leather Market S. & L. St. Mary Magdalen W - S. St. James Bermondsey - S. Rotherhithe WH S. & K.	11956 16300 15869 54682 36024	8 11 13 38 19	11 7 4 15 14	2 1 8 6	2 1 1 2 2		1	1 1 1 3		1 1 1	- 1 9 1 .	11111		- - 2 2	1	1	1 1	1111
Waterloo-road lst H - " L, & 8. Waterloo-road 2nd H - " L, & 8. Lambeth Church 1st H - L, & 8. Lambeth Church 2nd WW - L, & 8. Kennington 1st 8. & L. Kennington 2nd - S, & L. Kennington 2nd - L, & 8. Killon 0 L, & 8.	15195 16351 19876 39859 45282 35332 62837 19017	11 13 7 84 37 17 46 12	8 3 9 19 12 3 17 7	2 2 1 4 7 6 1	2 2 5 3 1	1112	1.	2			* * * * * * * * * * * * * * * * * * * *	11 1111	111	1 2 - 1	1 1	1 1	777	1 - 2 -
East Battersea	54675 52537 86380 28004 13235 25553	41 50 22 17 14 81	12 14 8 9 9	7 4 2 4 6 2	1 5 1 3	1 1 1 1	11141	10000	1	1 1 1 1 1	11111		11111	1 -	1 - 1	1 1 1	100111	1
Dulwich L. & S. Camberwell W. o L*L* - S. & L. Peckham W S., L., & K. St. George Camberwell - L. & S.	5590 59104 71089 50810	1 41 54 34	1 44 25 12	1 9 10 8	14 4 1	- 1		1		2	1111	111	1111	3 2	1.	1 1 1	24	1
St. Paul Deptford w 'K. St. Nicholas Deptford K. Greenwich West H K, Greenwich East WHH - K.	76752 7901 21972 24608	68 3 12 18	38 2 6 24	12 1 3 7	9 - 2 :0	-	1	3	1		-	3	1 1 1	7 1 -3	3	2 - 1	6	1 -
Eltham H K . Lee H K . Lewisham WH K . Sydenham H L .	5048 21559 19865 26076	5 6 24 17	1 4 5 7	1 - 2 1	1 1 -	-		-		-		1 1 1 1		- 1 - 1	1111	-	3 1	
Charlton H/I K. Woolwich Dockyard K. Woolwich Arsenal HH K. Plumstead, West H K. Plumstead, East W K.	10980 17617 19045 14009 19241	7 13 14 4 20	5 3 7 5 12	1 - 7	1 2 2 2	And the second s		-	-	-	-	-		3	1 -	1	2 - 1	1 4 4 4 1
Hospital Ships and Camp, Dartford - Winchmore Hill Hospital Caterham Assylum	-		1 2 4 8 3 3 3 1 5	1 1 1 1 1 1 1 1 1 1	1 2 2	-		1	1 1 1 1 1		1111111		-		11111111	-	+ 14 22 44 55 55 55 mail 15 1	

TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS AREA; POPULATION; BIRTHS and DEATHS registered during the Week enling Saturday, 11th October, 18

, TIME	A; Population; B	IRTHS	and Dr	CATHS	regi	stered	d dur	ing t	he V	Week	endi	ng Sa	aturd	ay, 1	th C	ctobe	er, 18
Regis-		Area			1	1			The	DEATE	is regi	stered	in the	Week	includ	e	
tration	į .	Acres,	Enume-		1	De	aths of	1	-		Dea	hs fro	m			1	1
District	REGISTRATION	inelu-	rated	20	18	-	ds.		1	1				1		1	io
and Sub-	SUB-DISTRICTS.	ding Tidal	Popu-	BIRTHS.	DEATHS	ier ge.	pad 6		1	Jr.		gno				98	ubl
listrict		Water	lation,	BIL	DE	under of Age.	aged A upw	N.	١.	Fover.	100	1 20		à		Cases	in E
Num-		Fore-	1881.			fants Year	ons	1	sles	let	the	opir	14	8 12	l on o	1000	tha i
hers.		shore.				Infants	Persons Years &	Small-pox.	Measles.	Scarlet	Diphtheria.	Whooping-cough	Fever.	Diarrhea	Violence,	Inquest	Deaths in Public
LO	NDON-OUTER RING	370,924	950,957	747	371	110	83	-	11	9	10	12	4	33	12	20	28
80:1	Carshalton wL -	12228	21118	9	4	1	2	-		1			-	-	-	-	_
2	Epsom (part of)* WwH		10710	6	6	2	1	-	-	-	-	-	-	-		-	-
37:1	Godstone (part of) * -	2754	1235	1	-	-	-	-	-	-		1 2	-	1 -	-	-	-
2	Croydon Ww L -	20851 11697	101241 17932	68	83	7 3	14		1	-	1	-	-	2	2 1	2	4'
89:1	Wimbledon HHH -	3220	15950	9	3	2	-								1		
2	Kingston WHH	8549	36354	28	9	2	1	-	-	-	-	-	-	1	2	1	
8	Esher (part of) * -	6601	9221	5	8	-	2	-	-	-	-	1	-	-	-	1	-
40:1	Hampton H Richmond WH	4573	18539	13	7	1	8		100	-	-	-	-	1	1	1	-
2	Mortlake	2272 2941	21302 12331	15 10	8 9	3	2	-	1	-	-	-	-	-	1 -	1 -	8
47:1	Bromley (pt. of) * HH	15669	81142	26	13	8	6	-	1	-	-	1	-	-	_,	-	-
2	Chishrst(pt.of)* WHH	14307	15844	-	2	2	П	-	-	-	-	-	-	1	-		
42:1	Bexiey H Dartford (Ww, pts. of)*	13437	24184	11	6	1	1	-	-	-	-	-	-	-	-	-	-
124:1	Sunbury w	11055	11685	_	_			_	-	-	-	-	-	-	-	-	-
2	Staines W	13277	12089	3	3	1	2	_			-	2	-			-	
125:1	Hillingdon WHH -	6029	10802	3	8	1	1	-			-	_	_		-	-	_
3	Uxbridge	6178	8225	2	4	-	2	-	-	-	-	-	-			-	-
126: 1	Hayes wHL	14587	11528	8	1	1	-	-	-	-	-	-	-	-	-		-
2	Isleworth WHH - Twickenham H	7008 2477	22727 12479	1 15	7 5	1 2	2 1	-		-	_	1	-	-	-	1	2
8	Brentford HL	4345	27649	15	13	8	8	-	1	3	_	-		1	1	2	1
4 5	Chiswick	1340	15975	12	7	1	1	-	-	-	-	-	-	-	-	-	-
127:1	Harrow H	8088 13809	22876	24	2	-	-	-	- 1	-	-	-	-		-	-	-
2	Edgware H	6994	12796 3749	3	2		3		-		_	_			-	1	-
8	Willesden	4383	27453	38	16	6	1	-	2	-	-	1	-	-	-	-	
100 0 1	Hendon W	8382	10484	9	7	1	1	-		1- :	-			2	1	1	
	Bushey Watford (W, pt. of)* -	9331	6631	2	-	-		-	-	1-	-	-	-	-	-	-	~
	South Min.ms -	16599	6891	8	-				-			-	-	-	-	-	-
	Barnet	5433	10092	5	-	-	-	-	-	-	_		_				
	Finehley HL	4683	17615	12	7	2	1	-	-	-	-	-	-	-	-	-	-
	Hatfield (part of) * -	8806	588	-	-	-	-	-		-	-	-	-	-	-	-	-
. 1	Hornsey H Tottenham H	3039 4642	37078 46456	18	11	1	8	-	-	-	-	-		-	1	8	-
- 1	Edmonton Ww -	7488	28468	23	27 18	11 6	5	-	-		-	1	-	3	2	8	2
	Enfield WH	12653	19104	17	8	4	1	-	-	-	-	1		3		1	8
	Waltham Abbey Cheshunt H	11017 8480	7735	7	2	-	-	-	-	-	-	-	-	-	-	4	-
,	Stratford	882	38606	23	2 12		-	-	-	-	-	-	-	-	-	-	-
2	West Ham wHHH -	4055	90847	99	37	6 11	1 4	-	4	1 3	1	-	2	8	-	-	-
	East Ham www	3296	10708	21	12	6	-	-	-	-	2	-	-	1	-	-	-
	Waithamstow H	4372 6520	32430 28869	85 24	21	10 4	3	-	-	1	2	1	-1	2	-	-	5
87:1	Chigwell (part of) * H	11761	9639	8	3	4	1			1-	1	-	-	3	-	1	-
	Epping (W, pt. of)* -			-	-	-	-	-	-	-	-	-	1			-	-
	Romford (part of) * W	6730	3411	7	4	-	8	-	-	-	-	-	-	-	-	_	3
	Barking Town	8493 4127	7645 9203	4 10	4	1 3	1	-	-	-	-	-	-	-	-	-	-
	e parts of sub-userses			1		0	- 1		- 1	- 1	-	-	-	-	- 1	-	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warlingham and Farley in Godstons suldistrict; 39:3, Esher sub-district, except the parish of Esher (pop. 1935); 41:1, Brominy sub-district, except the parish of Cadasan as Knockholt (pop. 1818); 41:2, Chisieburat sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Hatelet usub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 375); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 137:2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 11th October, 1890.

	Area	-		L RATE			The De	ATHS	regi	stered	l in t	he W	eek i	nolud	e	
GREATER	Acres, including	Estimated Population.	per 100	O living.	DEATHS	Deat	ths of			1	Death	s fro	m			ublio 118.
LONDON.	tidal water and foreshore.	middle of 1890.	From	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Snall-pox.	Measles.	Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.	Jesths in Publ
Cols.	1.	. 2.	3.	4.	5.	6.	7.	S.	9.	10.	11.	12.	13.	11.	15.	16
ATER LONDON	448,334	5,758,500	16.7	2.9	1846	546	338	-	49	29	48	41	29	127	61	375
nner London . Outer Ring .	77,410 370,924	4,421,661 1,336,839	17·4 14·6	2·9 3·1	1472 374	433 110	3 05 83	-	38	20	38	29	25 4	94	49 12	317 28

OTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 06.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,189,292 Persons.

						D	A COLUMN	TIDON	Down	~~~	<i>(7</i>		
	POPULATION				ANNUAL	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.							
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	DEATH- BATH per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.	
CUTTA	433.219 {	August 16	_	206	24.8	-	_	_	_	1	83	221	
IBAY	773,196	September 16	295	158 411	19.0	2	1	- P	1		61	181	
DRAS	398,777 {	August 22	370 372	573 595	74.6	1	6	5	2.0	5	112	43i 251	
RIS	2,260,945	October 4	916	824	19.0	2	8	5	17*	?	119	227	
USSELS	477,288	n 4	189	163	17.8	1	1	9	17	4 2	21	78 25	
8 Faubourgs.)	406,302	4	900	100	4.00						-	20	
TTERDAM .	203,486	"	203	122 65	15'6	-			4	1	***	-	
HAGUE -	156,497		102	78	16.6 25.9			-	-	1	-	1	
		"				-	14		2	-	-		
- MEDALHA	312,387	39 4	191	126	21.0	-	- 2	3	9	2	-	18	
CKHOLM -	236,350	September 27	156	83	18.3	-	* ***	10	3*	7	1	17	
RISTIANIA -	143,300	October 4	26	50	18'1		-	2	5	-	-	7	
PETERSBURG	842,000	September 27	-	870 .	22.9	8	2	12	9	3	12	55	
FLIN	1,526,887	20	838	592	19.9	-	1	8	37	8	2	95	
MBURG(State)	575,276	., 27	436	218	19.2	-	3	1	.7*	3	3	18	
ESDEN	269.250	,, 27	137	99	19.1	1	-	2	1	3	-	16	
BLAU	324.400	October 4	229	155	24.9	-	-	8	5*	1	3	23	
NICH	298,000	,, 4	-	135	23.6	-	1	. 2	2*	1	~	. 39	
MNA	822,176	,, 4.	406	312	19.7	2	3	1	6	-	2	29	
GUE · ·	\$14,425	33 4	-	129	21.4	-	2	Ĭ	6	1	2	5	
DA-PESTH -	463,017	September 27	272	217	24.4	-	-	. 7	9	1	3	33	
ESTE .	160,092	October 4	82	62	20.1	-	-	-	3*	1	1	12	
CE	418,217	September 6	213	145	18.2		-		8	- 41	121	24	
RIK (11 days)	314,827	August 31	275	178	18.7	-	-	-	2	-	7	41	
IICE	156.515	September 20	200		-	-	-	-	-	-	-		
RO	374,838	" 11	.\$45	385	53.4		-	-	2*	1	18	143	
MANDRIA -	231,396	. 11	187	207	46.5		-		2*	1	11	59	
V YORK .	1,617.997	, 20	1	660	21.0	-	6	8	20	17	17	83	
OKLYN .	859,612	,, 20	1 -	350	21.0	-	3	2	13	4	4	41	
LADRIPHIA -	1,064,277	» 20		822	15.8	- "	-	2	4	- 1	14	28	
TIMORE .	500,343	» · 20	-	169	17.6	-	-	-	4	3	9	14	
W ORLEANS?	254,000	,, 13		126	25.9	-	-	-	1	-	5	4	
							1	1					

Including deaths from croup.

Including 3 and 5 deaths from cholera respectively in Calcutta, 3 in Bombay, and 129 and 105 respectively in Madras.

Including 11 deaths from malarial fever.

the body and the body of the b

NWIGH. during the Week ending Saturday, 11TH OCTOBER, 1890.

		peted	96
	Rai	- collected	
al.]	Wind as deduced from Anemometers.		Usiers, Bobinson's.
(Staken at the notal Observation) constitution of the Astronomer Royal.	acmay a garage	I EMF ENA I ONE.	Of the and Dew Point Degree Of the Water
tendence	-		Degree
Inder the Superin		Difference between	the Air Temperature and Dew Point
OBSERVATIONS taken at the notal Observations, constitutions of the Astronomer Royal.		PERATURE.	Of the
TEOROLOGICAL		BARO- TEM.	Mean
WE		-	1
LABLE 9			-

			Ozon		0	0	0	0	0	Ç.1	.0	0	27	a; n	r, ar	luce ygr	aphi	" an belo	S the	ra :	to th	.78 i
	Rain	ina	whose receiving	5 inches above the Ground.	in. 0.00	70.0	0.31	00.0	00.0	00.0	00.0	Sum 0.33	26	vel of the sea; n	rmomete n a discu aromete mean re	re of th	photograph ital move	"higher, Wo feet	Deptford ons fron	s. strong	or university	reek to 29 sest to 30
l				Depar- ture from Average of 16 Years.	Miles. + 40	+ 41	+103	+	-125	1 63	02 -	Sum -72	25	an level	bulb the uced from for the bootstand	mperatu humidity by Glai	on of the	dicates of t	instructi	derate;	itood as a	g of the w
۱	ŭ		Robinson's	Horizontal Movement of the Air on each Day.	Miles.	285	346	245	119	182	176	Sum 1638	24	ve the me	the wet tions ded ding 1873 With the	lue of te	discussi nd that o	that + in	Foreign Cattle Market at Deptford, Market, under instructions from	t; m. mc	to be understood as applying to the	beginnin the 9th
۱	nometer		. Je	Mean of 24 hourly obs.	0.0 0.0	0.0	0.5	0.0	0.0	0.0	0.0	:	23	et aborsea le	er, and correctars en	ily va and d	from a 1868, a	mind mind	Larket	weal	. P	at the
١	m Anen		Pressure on the Square Foot.	Least. h	0.0 0.0	0.0	0.0	0.0	0.0	0.0	0.0		22	uce to n; 3h.	nometerion of the surface of the sur	an da	rived	rne in are su	the Fo	ive; w	tions a	0.04 in.
۱	uced fro		Pressi	Great-	lbs. 1.2	1.3	7.8	1.3	0.0	0.0	0.0	:	21	neter is to red M.; noc	b therr pplication	he me temper	hat de	be bo	erk of	rom T	on each	from 3(31 in. b
	Wind as deduced from Anemometers.	Osler's.	rection.	P.M.	WSW.&SW.	VSW. & SW.	SW. WSW.	ENE. & E.	SSW. & SW.	WSW. & SW.	SW.	WSW.	20	of the barometer is 159 feet above the mean level of the sea; no the readings to reduce to sea level. sken at 91, A.M.; noon; 31, P.M.; and 91, P.M. The means of th	the dry bulliues by the a ade during the last less for the	s, forming to dew point of the dry	t the air is turing the 20	ind 25 it will ater of the T	of the jetties of the H	is derived f	derived fron ght sunshine eorological o	er decreased
			General Direction.	A.M.	WsW.	SW.& WSW. WSW. & SW.	SW.	NNE. & NE.	Calm & SSW.	SW. V	SW.& WSW.	SW. &	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; correction has been applied to the readings to reduce to sea level. Observations are usually taken at \$11.4.M.; noon; 3h. P.M.; and 9h. P.M. The means of	eye-readings of the barometer, the dry bulb thermometer, and the web bulb thermometer, are obvorgred into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and the photographic records made during the twenty years ending 1888 for the thermometers. With the to corrected mean reading the twenty years ending 1888 for the thermometers.	of the dry bub thermometer is combined the otherwise mean daily value of temperature of the an atministration and minimum thermometers, forming the mean daily value of temperature of the an (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygre from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygre	metrical Tables, personal of the air is that derived from a discussion of the photographi The average temperature of the 20 years ending 1858, and that of horizontal movement records made at Greenwich during the 20 years ending 1858, and that the consecution 1878.	of the art from a discussion of the articular tendent around any articular signer;. In reading the columns 3 and 25 it will be borne in mind that + indicates "higher;," In the diagram of the columns of the property of the	the surface, at the end of one of the jetties of the Foreign Oattle Market at Deptford, an their resultings are registered by the Clerk of the Market, under instructions from the Corporation of London.	The record of Electricity is derived from Thomson's sen-registering necessary, in granuols employed are:	The numbers in column 23, derived from the "chalper-stokes summine instruments, sno the aggregate duration of brights sumshine on each day. The results of all the netecorological observations are to be understood as applying to the	GIVI 633, Of the intermediate to intermed from 30.04 in, at the beamning of the week to 29.78 is. The reading of the barometer decreased from 30.04 in, by Sh. A.M. on the 9th; decreased to 30.15 is. by Sh. P.M. on the 7th; increased to 30.31 in, by Sh. A.M. on the 9th; decreased to 30.15 is.
S TANK			water hames tford.	Low-	58.1	58.0	58.5	58.4	57.5	6.99	26.4	2.19	18	ght of has be	into into itographe twen	mum s). Th	Fables, erage t	from 8 thing the tha	dings dings	cord o emplo	mbers	ading on .M. on
- Control	TEMPERATURE.	00.41.	of the Thames at Deptford.	High-	59.5	2.69	9.69	59.4	58.6	8.12	9.19	58.8	17	he hei	reading the	he dry lumn lumn m the	metrical Tables. The average t records made at	the air in read "lower	surfa sir rea	The recolsymbols en	The nu e aggre The re	Therev
1007 00	EMPER			Lowest on the Grass.	.8.24	46.0	48.5	38.0	31.7	32.1	32.8	38.8	16	100	eye cor of t		rec	g 1	ii ÇEB,		- 23	C. D.
10 00	F		Of Radiation.	High- est in Sun's Kays.	0	119.3	0.78	9.811	8.411	104.2	118.0	₹.601	15			and fine		generally	fog.	Slight hoar frost	amounts	- 2
renger		Dogres	of Hu- midity	ration equals 100).	88	78	66	73	80	81	80	82	14	KS.		cloudy		cloud	slight	Slight 1	sr nigh	4 .
uperin	moon			Least.	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.5	13	MARI		artially		light	cloudless;		orning	. v
Under the Super	an oo ho	the Air Temperature	nd Dew Poin Temperature.	Great.	0.11	15.6	4.9	1.91	16.0	14.6	15.3	13.6	12	AL RE		ning ; p	ain,	nts of		throug	s in m ing; cl	£1.
$\lfloor cnae $	Differen			Mean daily value.	0 13	0.2	0.5	8.4	5.9	10	6.1	70	=	GENERAL REMARKS.		Rain in early morning; partially cloudy and till noon; atterwards overcast,	Overcast; frequent rain.	amounts	generally	cloudless throughout.	Very fine: cloudless in morning; small a of thin cloud till evening; cloudless at night.	**
	ı	00 41	Dew Dew Point.	Mean daily value.	0 25.7	52.5	56.9	44.6	42.6	44.7	48.0	48.9	10	(F)		in carl n; atter	ast; fre	small nt.	Very fine;		fine: c	
	RE.			parture from Average of	0 +	+ 6.5	4	4 0.5	800	- 1.7	+ 2.2	+ 1.8	6		Cloudy	Rain till noor	Overc	Fine; prevalent.	Very fir	Very fine in morning.	Very of thin	
	ERATURE		Mr.	Mean daily value.	0 22.8	59.5	1.29	53.0	48.5	50.4	54.1	54.8	00	n above orizon, hours.	11.3	11.5	11.5	11.11	0.11	0.11	6.01	Sum 77.7
	TEMPE		Of the A	Daily Range.	0 20	15.4	8	17.1	24.4	24.6	24.2	18.5	4	Registered Sun Sunshine, Hor in hours. in h					-78		9.8	.p
	ı			Low-est.	0 00							45.5	9	Regist Sunsh in hou	6.0	3.7	0.0	1.1	4.2	00	oo	Sum . 36.5
	_			High-	0 %							64.1	1 20	r. n of ote.)				.noon;	ening;	rning;		1
	BARO-	METER		rected and reduced to \$20 \$20 Fahren-	in.	708.00	818.66			30.176	80.193	30.081	4	ELECTRICITY. (For explanation of symbols, see Note.)				w. P. till afternoon; m. P. afterwards.	w. P. till evening; m. P. at night.	w. P. in morning; m. P. atterwards.	m. P. generally	1 4
			Phases	of the Moon.	Greates	Last Qr.	:	Anogee.			:	:	00	EL (For symb	w. P.	w.P	w. P.	w. P. a	w. I.	w. J.	m. P	- 1
				AND	a	2 0	1 0	- 00	0	10	Ħ	- .	ol.	B.	- 20	9	bo .	80	6	. 10		-
			1890.	Monte and Dax.	OCTORER	Mos.	Tries.	WRD.	THURS.	FRI	SAT.	MEANS	No. of Col.	DATE.	SUNDAT	Monday	TUESDAT	WEDNESDAY	THURSDAR	FRIDAR	SATURDAY	6
	1	-	-					_	-		-							_		-	_	

OFFICIAL COPY.

WEEKLY RETURN

03/

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 42. 1890. Vol. LI.

WEEK ENDING SATURDAY, OCTOBER 18.

[Price 11d.

General Register Office, Somerset House, 20th October, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.8 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks end	ling	e mate green promote man.	Weeks ending				
Towns.	Sept. Oct. O	ct. Oct.	Towns.	Sept.	Oct. Oct. Oct.			
	27. 4. 1	1. 18.	the section to the	27.	4. 11. 18.			
Birkenhead	21.8 22.3 25	3 23.3	Liverpool		$ 22 \cdot 0 21 \cdot 7 22 \cdot 0$			
Birmingham	17.2 16.7 20	3 16.7	London		16.7 17.4 20.5			
Blackburn -	27 4 25 3 32	9 26.6			30.6 29.0 28.0			
Bolton -	23.9 16.7 22	5 24.3	Newcastle-on-Tyne	25.6	31.4 25.9 22.7			
Bradford -	20.8 22.1 25	6 22.5	Norwich	27.9	28.4 20.8 20.2			
Brighton :	17.7 18.6 16	9 17.3	Nottingham -	14.3	18.7 17.7 12.3			
Bristol -	15.0 14.1 14	6 19.8	Oldham	22.7	16.3 17.8 22.4			
Cardiff -	30.7 20.1 25	4 20.1	Plymouth	28.5	33.1 24.5 13.9			
Derby -	11.4 10.3 12	4 19.1	Portsmouth -	21.9	16.4 18.2 15.7			
Halifax	25.4 17.2 23	5 21.0	Preston	32.2	34.2 24.3 25.8			
Huddersfield	17.7 18.8 19	4 18.3	Salford	21.3	20.0 22.8 21.5			
Hull -	20.7 18.8 17	8 18.0	Sheffield	20.8	26.6 21.1 24.9			
	21.9 18.9 22	9 19.1	Sunderland -	25.2	26.0 22.9 25.2			
Leicester -	16.6 15.5 19	6 19.9	Wolverhampton -	24.4	22.5 21.9 23.1			

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·4 in Bolton, 1·5 in Preston, 1·7 in Brighton, 1·8 in Manchester, 2·1 in Oldham, 2·2 in Bradford, and 3·0 in Birkenhead; from scarlet fever, 1·1 in Sunderland, and 1·7 in Liverpool; from whooping-cough, 1·3 in Wolverhampton and in Newcastle-upon-Tyne; and from diarrhæa, 3·1 in Cardiff, 3·2 in Bolton, in Manchester, and in Hull, 3·3 in Sheffield, 3·7 in Leicester, 4·2 in Blackburn, and 5·5 in Preston. The rate from "fever" did not reach 1·0 per 1000 in any of the twenty-eight towns. The 61 deaths from diphtheria included 41 in London, 5 in Birmingham, 3 in Manchester, 3 in Salford, 2 in Portsmouth, and 2 in Birkenhead. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2412 births and 1741 deaths were registered. Allowing for increase of population, the births were 352 below, while the deaths exceeded by 110, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.7 and 17.4 in the preceding two weeks, further rose last week to 20.5. Thus, during the first three weeks of the current quarter the death-rate averaged 18.2 per 1000, being identical with the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

The 1741 deaths included 59 from measles, 20 from scarlet fever, 41 from diphtheria, 30 from whooping-cough, 21 from enteric fever, 2 from ill-defined forms of continued fever, 75 from diarrhea and dysentery, 2 from cholera and choleraic diarrhea, and not one from small-pox or from typhus; thus, 250 deaths were referred to these diseases, exceeding by 48 the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 4; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had been 22, 30, and 38 in the preceding three weeks, further increased last week to 59, and exceeded the corrected average by 26; 27 belonged to the East and 24 to the South groups of sanitary areas. The 20 fatal cases of scarlet fever corresponded with the number recorded in each of the previous two weeks, and were 29 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1921 scarlet-fever patients at the end of last week, the numbers on the preceding eight Saturdays having increased from 1427 to 1850; 208 cases were admitted during the week, against 249 and 225 in the preceding two weeks. The deaths from diphtheria, which had numbered 38, 28, and 38 in the preceding three weeks, further increased last week to 41, exceeding the corrected average by 14. The 30 deaths from whooping-cough exceeded the number recorded in the previous week by one, and the corrected average by 6. The deaths from diarrhaa and dysentery, which had been 105 and 94 in the preceding two weeks, further declined last week to 75, but were double the corrected average; 62 were of children under 5 years of age, and 7 of persons aged 60 years and upwards. One death was attributed to infantile cholera, and one to choleraic

The deaths referred to enteric fever, which had been 24 in each of the two preceding weeks, numbered 21 last week, being 3 below the corrected average. The Metropolitan Asylum Hospitals contained 169 cases of enteric fever, and one of typhus, on Saturday last; 23 cases of enteric fever were admitted during the week, against 27 and 23 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had been but 197 in the previous week, increased last week to 340, being, however, 7 kelow the

corrected average.

Different forms of violence caused 52 deaths, concerning all but one of which inquests were held. Of these 52 deaths, 6 were cases of suicide, and one of murder, while the remaining 45 were attributed to accident or negligence. Eight of these were caused by horses or vehicles in the streets, 4 by burns or scalds, one by poison, 8 by drowning, and 10 of infants aged under one year by suffocation.

GREATER LONDON.

In Greater London 3172 births and 2168 deaths were registered, corresponding to annual rates of 28·7 and 19·6 per 1000 of the estimated population. In the Outer Ring 20 deaths were referred to measles, 18 to diphtheria, 17 to diarrheea, and 9 to "fever." The deaths from diphtheria included 2 in Carshalton, 2 in Brentford, and 2 in Acton sub-districts, and 10 in West Ham district. Eight deaths from measles were recorded in West Ham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.84 ins.; the highest reading was 30.25 ins. on Sunday morning, and the lowest 29.43 ins. on Wednesday evening. The mean temperature of the air was 47°·7, and 3°·6 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average throughout the week, the deficiency amounting on Monday to 6°·5, and on Tuesday to 7°·6. The direction of the wind was variable, and the horizontal movement of the air averaged 12·9 miles per hour, which was 2·2 miles above the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0·20 of an inch. The duration of registered bright sunshine in the week was 16·0 hours, against 28·7 hours at Glynde Place, Lewes.

1890
ri
ope
otic
b C
: 18th Octol
19
ndir
ie:
eek
Wee
the
Ing
lur
8, 0
M
Po
H
8 GREAT TO
9
28
ï
SOROLOGY in 28
OL
OR
RIG
N
and
18,
RATH
DE
8,]
RIE
BIE
T
4
L

Column C	
Perfective defented continued by the perfective defented by the perfectiv	EDIMBURGH. GLASGOW. DUBLIE.
Particle Particle	1.32
Partial Market Part	0.52
Partial Reprince of Authority Partial Reprince	
Partial Reprince of Authority Partial Reprince	51.0 10.55 50.2 10.11 48.8 9.33
Partition Part	
Partition Part	39.5
Partial Partial Colored Pa	65.2
Partial Partial Colored Pa	2.9
Partial Name Part	19.0 22.0 21.3
Partial Machine Partial Ma	23 16 16
Cols. 1. 2. 3. A. A. A. A. A. A. A	833 88
Cols. 1. 2. 3. 3. 4. 3. 3. 3. 3. 3	O+ G+ 41
Poptiation the Week noting	C3 F- 48
Poptiation the Week noting	13
Poptiation the Week noting	1 : 9
Poptiation the Week noting	101
Poptiation the Week noting	H 1
Poptiation the Week noting	1 63 1
Poptiation the Week noting	101
POPULALION Registered during Population Populatio	1 1 1
POPULALION Registered during Population Populatio	28 40 75
Cols. Registered during standard colors Short	19 83
Population of the standard of	99 224 144
Popularion estimated in the control of the control	108 349 149
(00)	271,135 F30,208 353,082
CITIES AND BORUGHS 28 TOWES ENGERTON BRIGHTON BRIGHTON BRISTOL WOLVERBAMP BIRNINGHAM LICKETER BIRNINGHAM LICKETER BIRNINGHAM LICKETER BIRNINGHAM LICKETER BIRNINGHAM LICKETER BIRNINGHAM LICKETER BIRNINGHAM LICKETER BIRNINGHAM LICKETER BIRNINGHAM LICKETER BIRNINGHAM LICKETER BIRNINGHAM BIRNINGHAM BARCHESTER BRADEORD LEEDS BRADEORD HULL SUNDERLIED HULL SUNDERLAND HULL SUNDERLAND HULL SUNDERLAND CARDIER	EDINBURGH - GLAFGOW - DOWLIN .

тт 2

Table 2. LONDON.—Births and Deaths Registered in the Forty-second Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
TOTAL Births Males Females .	2362	2681	2358	2370	2812	2572	2647	2568	2459	2518	2764·0	2412
	1219	1353	1209	1217	1436	1282	1352	1304	1280	1287	1411·0	1253
	1143	1328	1149	1153	1376	1290	1295	1264	1179	1231	1353·0	1159
Total Deaths Males	1518	1586	1444	1403	1517	1458	1406	1566	1641	1410	1630·7	1741
	797	842	736	722	777	742	714	809	854	721	841·2	892
	721	744	708	686	740	716	692	757	787	639	789·5	849

[•] The numbers in this column are the average weekly numbers in the forty-second weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

Under 1	years - '''	26.	2.	Aug. 9. 2176 1594 915 171 225 230	Aug. 16. 2527 1751 1019 169 268	Aug. 23. 2487 1629 961	Aug. 30. 2614 1659 911	Sept. 6. 2469 1514	2539	Sept. 20. 2355	Sept. 27. 2458	Oct. 4. 2433	Oct. 11. 2409	Oct. 18. 2412
Total Deaths Ages at Death Death 0-20 y 20-40	years - ''' ''' ''' ''' ''' ''' ''' ''' ''' '	798 132 227 219 47	938 186 232 277	915 171 225 230	1751 1019 169	1629	1659	1514					-	
Ages at 20—40 y 20—40 d 40—60 d 60—80 g 80 y ears Under 1 1—5	years - ''' ''' ''' ''' ''' ''' ''' ''' ''' '	798 132 227 219 47	938 186 232 277	915 171 225 230	1019	961			1410	1375	1458	1413	1472	
Ages at 20—40 40—60 Death 20—80 80 years Under 1	% tipwards	132 227 219 47	186 232 277	171 225 230	169		911						1 -	1741
1-5				58	246 54	148 233 235 49	190 265 234 59	796 177 240 245 56	687 183 238 256 46	667 200 214 232 62	740 182 236 256 44	726 170 223 253 41	747 180 240 254 51	870 204 316 231 70
" , Measl " , Scarle " , Dipht " , Whoo " , Typht " , Enter " , Simpl " , Diarr Dy		73	554 286 98	549 294 72	635 294 90	603 292 69	525 282 104	459 217 90	395 217 75	376 227 64	429 207 104	433 193 100	436 213 98	491 260 119
,, ,, all t mentione ,, ,, Dis.o to ,, ,, Phin	et fever - et fever - theria - pping-cough us - ric fever - leCont ³ fever thœa and sentery - et above- do Diseases for Respira- pory System isis -	94 13 20 62 - 2 - 107 1 299 185	82 19 36 45 - 11 1 177 7 378 215	95 17 22 37 - 11 1 176 4 363 197 126	80 27 15 39 - 16 1 262 10 450 208 129	78 16 20 39 - 11 - 255 12 426 203 119	-60 24 26 39 -17 -180 7 353	-56 18 16 46 -18 1 128 5 288 180 139	39 18 18 35 1 18 - 117 5 251 210 136	33 14 35 38 - 21 - 94 3 238 187 1	1 22 16 38 29 - 12 86 6 218 222 130	30 20 28 18 1- 24 1 105 3 229 262 123	- 38 20 38 29 - 24 1 94 2 246	59 20 41 30 -1 2 75 2 250 340 204
	Institutions THE AIR t readings	56 111 333 61.6 73.9	73 134 405 62.9 74.4	50 103 373 62.6 73.8	75 128 403 61·1 73·2	54 105 343 59.0 69 0	57 105 364 54.4 66.5	54 98 391 58·4 71·0	55 109 360 59.4 78.2	136 43 83 360 60·4 71·7	52 103 377 58.8 69.2	61 107 335 56.7 66.3	123 49 113 347 54·3 64·1	52 123 397 47.7 56.5
Mean of Lowest H imidity of the A Rain-fall in inches Registered Sunshin		52·6 75 0·08	53·9 77 0·11 81·9	53·2 77 0·00 30·5	54·6 82 0·78 32·6	51.·8 81 1·00 31·9	80 0·67	83 0.00	48·2 79 0·00	51·0 74 0·34	50·9 83 0·31	49·3 76 00·0	45·5 82 0·33	39·8 82 0·20

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., Li.D., Plymouth; R. C. Cann. Lippineott, Esq., Bristol; C. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and W.m. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different Causes in the Forty-second Week of the Year 1890.

					-	200-		_	11 66	k of the Year 1890.				400	izmocan				
	for the 10 years		datur	day.		Octo	ber !	1890.			for the	8	aturo		18th	Octo	ber 1	89.).	
	the 1	_	De	t	he A	ges					ages t the 16		De	aths	of P	erso ges	ns of	-	
AUSES OF DEATH.	1880-8	Es.	-	nder 20.	r	under 40.	under 60.	under 80.	s and	CAUSES OF DEATH.	Averages eks of the 1 1880-89.**		ū	nder 20.		under 40.	ler 60.	ler w.	8.tid
. 1545	Corrected Averages 42nd Weeks of the 1880-89.	ALL AU	0-T.	1-0.	6-20.	20 and un	40 and un	60 and un	so Years supwards.		Corrected 42nd Week	ALL AGES.	0-1.	1-6.	5-20.	20 and unc	40 and under	60 and under	80 Years unwards
LL BAUSES	1630.7	1741	491	260	119	204	316	281	70	Diseases of Organs of Special Sense † }	3.0	6	1	_	1	2	2	Lan	_
Small- pox Vaccinated	0.7	-	-		-:	-	-	Ī		Diseases of Circulatory	124.7	144	1	3	10	18	47	53	10
No Statemen	33.0	59	7 2	44	8	-	-		-	Croup	17.8	16	4	10	2	ī	-		_
carlet Fore.	48·5 1·0 0·0	~	-	16	2		-	-	-	Bronchitle Pneumonia Pleurisy Other Diseases of Respi-	203.7 88.2 4.9	203 84 6	81 25	40 25 1	2 3 3 2	6 7	24 11 3	43 10	6 3 -
nfluenza	0 1 24·4	1 30	111	18	T	1	9 9	-		ratory System {	33 3	31	5	5	2	2	6	10	1
Diphtheria - dimple Continued and land III-defined Fever - f	27·3 2·6	41	-	23	13	1	1	2		Dentition † Quinsy, Sore Throat † Enteritis Peritonitis	10 7 2:0 8:5 7:9	8 6 18 7	1 11	3	1	0 1 1 1	1 1 2	111	- 2
Interio Fever Cholers and Chol. Diarr	0.3 0.3	21 2	1	1	1)	9	1	1		Diseases of Liver - Other Diseases of Digestive System -	32 2 29 4	22 30	8	2	2 -	3 4	11 8	5 9	-
Diarrhœa, Dysentery Remittent Fevert Tydrophobis	37·2 0 0 0·2	75	55	7	2	-	4	4	3	Diseases of Lymphatic) System & of Ductless	1.3	7	_	-	2	2	2	1	_
Handers	0.1		-	-		-	-			Diseases of Urinary	-			_	_			_	
Vaccination † S Venereal Affections	11.3	15	10	-		2	2	1 4	- 1	System}	20.9	37	-		_	3	17	17	
Pyemia and Septicemia †	2°5 6 3	8	-	1 -	-	1 7	1 -	-	-	Diseases of Generative System Accidents of Childbirth -	7·1 4·8	2 2	1 1		-	2	2 -	-	-
Other Zymotic Diseases †	2 6	1 2	2	1	-	-		-	-	Diseases of Locomotive }	8.5	5	-	1	3	-	1	-	-
Worms and other Para- sitical Diseases}	0.8	-	-		-	-	-	-	-	Diseases of Integumen-	5.5	5	-		-	1	-	3	-
Starvation, Want of Breast-milk †}	2.1	-	. 1		-	-		-	-									_	
Alcoholism	5.6	9		-	7	.7	2	-	-	VIOLENT DEATHS.§ (Accident.)		00							
Rheumatic Fever, Rhoumatism of Heart† }	3.1	15 2	1 4	-	5	5	3	3 2	-	Fracture and Contusion Gunshot Wound Cut, Stab Burn and Scald	21.7 0.1 0.4 6.0	20 - 4	2 -	1 - 1	6	1 - 1	5	4	1 - 1
Gout	2'8 3'4 £8'7	3 8 53	1	2	-	-	1	1	1	Poison	1.6 5.1 13.5 2.8	1 8 10 2	10	1111	2	4	1 2 - 2	1 2 1 0	1111
Pabes Mescuterica - Pubercular Meningitis -	32.7 24.4	48 38	33	13	4	3	29	22	1 -	(Homicide.)			-	-		-		-	-
Phthisis	184.5	204 18	6	1 -	16	92	76 1	13	-	Murder & Manslaughter	1.0	1	-	-	-	-	1	-	-
Other Constitutional Diseases †}	10.5	12	i _	-	1	2	4	5	-	(SUICIDE.) Gunshot Wound	0:7	3	-	-	-	2	1		-
Premature Birth Atelectaris +	44'4 2'8	63 2	63	-		-	-	-	-	Cut, Stab Poison	1.4 0.8 1.6 1.0	1 1 1	1 1 1 1	1		1	1111	1111	1111
Congenital Malforma- tions }	6 5 50°5	7 53		1	-	-	2	18	33	Otherwise	0.8	-	-	-	-		-	-	
Apoplexy Epilepsy	42.4	41	1	-	1	1	17	20	4	(Execution, Hanging	0.0	-	-	-	-	-	-	-	-
Convulsions - Other Diseases of Brain tand Nervous System	7 3 42 5	49	45	4	-	2	1 -	-	-	OTHER CAUSES !	59.6	63	56	3	1	-	2	1	-
	CONTROL CONTROL CONTROL	69	7	7	5	6	15	23	3	on vears 1880-89, raised by 9°		1	-	C-1000000000					

e ten years average could not be correctly ascertained, the average for the eight years 1831-9 has been used.

"cases of small pox only are returned as "vaccinated," or as "unvaccinated," which are so certified by registered medical men. When bel attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered "the case of teath is not certified by a registered "the case of teath is not certified by a registered "the case of teath is not certified by a registered "the case of teath is not certified by a registered "the case of teath is not certified by a registered "the case of teath is not certified by a registered "the case of teath is not certified by a registered the case of teath is not certified by a registered the case of teath is not certified by a registered the case of teath is not certified by a registered to the case of teath is not certified by a registered the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered to the case of teath is not certified by a registered

Table 5. LONDON, -- Population; Birtle; Deaths from all Causes, and from Small-pox, Measles, Scart, during the Week endi

									- 42					9 01		eek	CH
							The	DEA	THS I	egist	ered i	n the	Wee	k inc	lude		
	Snume-			Deat	hs of					Dest	hs fr	om	,	,			
REGISTRATION	rated Fopu-		Н9.	7 2	60 vds.					ugh.		ever.	i.			In a	Public Pus.
SUB-DISTRICTS.	lation,	Викин	DEAT	under f Age.	aged a sept	×		Fever.	ia.	09-S		24 500	con-	83		Cases	n P
	1881.			6	Brs	Small-pox	sles.	let F	Diphtheria	Whooping-cough	Typhus.	Enteric (of Typhoid)	Simple canned	rrhœ	Violence.	Inquest	Deaths in
		Total	Total	Year '	Persons Years	Sms	Measles	Scarlet	Dipl	Wh	Typ	Ent	Sir	Diarrh	Vio	Ingi	Dea
And the second s	3,815.70	2412	1741	107		_	59	20	41	30	-	21	2	75	52	123	397
LONDON * • -	-		244	491	351		2	4	3	2	_	2	2	13	7	12	65
WEST DISTRICTS	669,638 905,947	337 578	402	101	80	-	5	6	17	12	**	7	-	11	11	25	99
CENTRAL DISTRICTS	282,288	143	113	29	24	-	1	-	4.	1	-	3		2 9	17	13 49	89
EAST DISTRICTS	692,738 1,265,148	480 874	894 569	104	98	_	27 24	5	6	5 10	2	8	-	40	13	24	94
SOUTH DISTRICTS METROPOLITAN HOSPITALS AND	1,200,170		19	-	7	-	-	-	-	-	-	1		-	-	**	19
ASYLUMS OUTSIDE REGISTRA-							-	-							-	-	
WEST DISTRICTS. St. Mary Paddington WHH G.J. &W.M.	69888	51	28	8	9	-		-	2	1	-	-	:	1	1	8	4
St. John Paddington H	37380 190141	10 45	7 43	7	1 15	-	-	1	-	1	-	-		2	1	2	17
Brompton H - W.M. & C	48010	12	7	1	2		7		-		-	-		-		1	2
St. Peter Hammersmith - W.M. & G.J. W.M. & C.J.	7899 64840 42900	42 53	28 38	10 17	4 5	-	ī	3	-	-	-	-		3 -	3 1	3 2	3 8
Fulham Web - C.	15049	9 28	6 13	2 3	1	-	-	-	1	-	-	1	-	-	-	-	6
Chelsea South HHH - C.	42683 30396	13	12	4	4	-	1	-	-	-	•	-	-	2			3
May Fair W - C.	80353 59220	3 26	22	6	6	-	-	-	-	-	-	-	1	1	ĩ	1	6
St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24679	7	10	2 4	3	-	-	-	-	-	-	-	1	2		-	3 2
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHUHH - N.R.	29941 16608	8 9	8 9	1	3 -	-	1	-	-	- :		1 -	-	1 -		-	-
NORTH DISTRICTS.		15	10	0	2	_								1		,	6
All Souls Marylebone HHHHH W.M. Cavendish Square HHHH - W.M.	26759 14891	15 2 8	3 2	8	2 -	-	-	-	-	-	-	-	-	-	-	1 -	-
All Souls Marylebone HHHHH - W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Maryleb, HHH G.J. & W.M. Christchurch Marylebone W.M. **E. John Marylebone H - W.M.	24809 21118 33700	23 18	8 7	5 3	3	-	-	-	1	-		1	-	2 I	-	-	-
St. John Marylebone H W.M.	33638	18	9 22	4 2	2 5	-	1	2	1	-	-	4		-		-	9
Hampstead WwHHHH- N.R. & W M. Regent's Park Paneras H - W.M.	45452 89115	20	14	3	6	-	-	-	-	-	-	-	-	-	-	-	-
Coor's Ing Lone HHH N.R.	27729 30247	15 23 20	25 4 17	3 1 2	6 - 2	-	1 -	-	1 1	1	-	-	-	-	- 1		15 3
Camden Town WH N.R.	34369 17811	7	13 48	12	8 7	-	- 2	-	-	1	1	-	-	-	1	2	8 8
Upper Holloway WWWHH N.R.	87487 67946	58 65	54	17	12	-	-	-	8	2	-	-	12	I	3	6	23
Islington South-east N.R.	61895	44 28	35 24 11	7 7 2	3 2	- 1	-	-	1 -	1	-	-	-	1 -	1 -	2	-
Stoke Newington H N.R.	52048 22781	27	6	2	1	-	-	1.2	1	-	-	-	-	-	-	-	-
Stamford Hill - E.L. West Hackney H - N.R.	9277 87610	11 17 60	12 50	2 13	1 7	-	- 1	- 4	0	- 2	-	-	-	-	2	5	6 20
Hackney WwwwH - E.L. N.R. South Hackney E.L.	76911 39888	22	23	7	5	-	-	-	8 -	3	-	1	-	1	2 -	4 -	20
CENTRAL DISTRICTS. St. George Bloomsbury N.R.	16681	8	6	2	1		-	1 -	1	1 -		-					-
St. Giles South WH N.R. St. Giles North H N.R.	14864 18837	5 4	6	2 -	1	-	-	-	-	-	-	-	-	-	1	ī	2 2
St. Martin-in-the-Fields HH N R. & C.	17508 7515	8	4	1	-	-	-	-	-	-	-	-	-	-	ī	1	3
St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	8559	1 1	4 -	1 -	1 -	-	-		-	-	-	-	-	1	1	2	1
St. Geos-the-Martyr HHHHHHH N.R.	18671 10706	8 6	11 4	3	4 2	1 -	1	-	-	-	-	-	-	-	-	-	1
Saffron Hill H N.R. St. James Clerkenweil N.R.	6533 17516	17	9	1 4	3	! -	-	-	-	-	-	-	-	1	=	1	-
Amwell Clerkenwell N.R. Pentonville N.R.	19281 14778	10	6	8	1 -	1 7	-	-	-	-	-	=	-	-	1	-1	1
Goswell-street Cid-street H City-road HHL NR.	17506	7 16 18	8	1	2	1 1	-	-	-	-	-	-	-	-	-	-	1
Whiteeross-street N.R.	18628 9217 7468	18	3 1	1	2 -	1 -	1	-	-	-	-	-	-	ī	1	1	1
Holborn Union Workhouse, Mitcham w.	-	-	1 -	-	-	-	1	-	-	-	-	-	-	-	-	1 -	
Cripplegate N.R.	11174 7198 5858	7 2 2	1 2 21	1 -	2	-	-		- +0	-	1		-	-	1	ī	1-
St. Bride W N.R.	8396	8 1	8	1	1	-	-	-	3	1 -	-	-	111	-	1 -	2 - 1	20
Allhallows Barking N.R.															PR		

NOTE—The Italie letters pixed against the names of the sub-districts denote Publis Institutions situated therein, damely: W—W house; H-Hospital; L-Lunatic Aspium; L*—Private Lunatic Aspium in which paupers are received; wo—Workhouse, Establish receiving immates from other Districts than the in which it stateds. The K-man capitals signify the Water Companies which supply the different interests. J. signifies Grand Junction Company; W. M. West Middlesex; J. Chetsex; S. Southwark and Vauxhall; L. Lambeth; N. R. River; E. L., East London; and K., the Kent Company.

EB, DIPHTHERIA, WHOOFING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district rday, 18th October, 1890.

may, 18th October, 1890.							Th	a Dr	TEC	regis	ered.	in the	Was	le in	lnda			
	Enume-			Dea	ths of	1	- 411	- 2/6		Deati			11 00	- IRC	5000	1	1	1
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Brarns.	Total DEATHS.	Infants under 1 Year of Age.	125	Small-por.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough,	Typhus.		Simple con-	Diarrhea.	Улогеное;	Inquest Casen.	Deaths in Funic	Uncertified Causes of Death.
East Districts, ditch South HL^{*} - N.R. on New Town w - N.R. on Old Town - N.R. & E.L.	22343 29937 28036 46275	10 19 16 26	12 22 12 26	5 4 4 8	1 7 3 4	1111	ī	1	1111			1111		- 2	14	1 2 6	1 7 - 6	1
nal Green North H E.L. nal Green South E.L. nal Green East WHL^* - E.L.	51157 34399 41405	34 26 23	19 14 30	7 9 8	3		111	1	- 1	1 2	-	-			2	3 4 3	14	
fields	22585 15478 17490 9713 6102	22 27 13 6 3	7 12 23 1 7	2 1 3 1	3 5 - 1	11111	1 - 2	1 -	1 . 1	1 -	11111	1	11111	1	1 6 -	1 1 7 -	8 16 -	11111
eorge's, North – – E.L. phn, St. George East W – E.L.	88747 8410	23 10	15 15	4 2	1 4	:	5	1	-	-	-	-		1		2 -	6	
well H E.L. & N.R. iff E.L. house E.L.	10395 16107 32041	5 7 15	14 10 15	4 3 4	2 2	1 1 1	1 1 4		= 1.			ī	111	- 1 1	- 1	1 1 2	7	1 1 1
End Old Town West H - E.L. End Old Town East WwwH- E.L.	37960 67653	23 60	16 33	5 7	3	-	1	1		1 -	-	-	-	ī	ī	1 4	8	
Le - E.L. ley wwwH E.L. r WWH E.L.	87074 64359 85077	18 58 36	16 50 25	3 17 7	1 7 4	111	2 2 7	1 1 1	3 -	111	111	1	1 - 1	2	2.	1 4 5	1 14 1	111
tchurch Southwark WH L, & S. aviour Southwark - S. t. aviour Southwark - S. & L. ugh-road WH - S. & L. & S. & S. & S. & S. & S. & S. &	13668 14999 21351 15953 21319 26672 59555 21623	6 4 12 16 8 17 40 15	5 9 8 9 8 10 24 12	3 4 3 2 3 5 11 5	3 - 1 2 8 3	1111111	1 1 - 1 2 -	11111111		2	1111111	111111	1111111	1 1 1 1 2	11111111	1111111		1111
ave WH S. & L. ary Magdalen W - S. ames Bermondeey - S. shithe WH S. & K.	11956 16300 15669 54682 86024	12 12 12 12 36 26	19 12 6 12 17	2 5 2 4 6	2 - 3 1 4	1 1 1 1 1	1	1 - 1	1	1 -		1	11111	4	3 - 2 -	3 - 2 -	13	
rloo-road 1st H - I. & S. rloo-road 2nd H - I. & S. eth Church 1st H - I. & S. eth Church 3nd WW - I. & S. & I. ington 1st - S. & I. 2n w - I. & S. 1. & S. 2n w - I. & S. 2n w - I. & S. 3n w -	15195 16851 19876 39859 45282 35832 62837 19017	17 18 15 27 35 13 83 16	9 4 13 28 12 8 22 4	2 1 2 4 6 2 7	2 7 1 2 8 8	1111111	1111	1	111111111111111111111111111111111111111	1 2 -	1111111	1	11111111	1 - 1 20 20 1 30 1	11111111	1 2 1	9 13 - 1	111
Battersea	54675 52587 86380 28004 13235 25553	40 52 21 27 6 24	18 29 10 12 9 6	8 8 8 2 2	8 4 1		1 2 1	111111	1 1 -	1	11111	1	111111	1 8		2 -	9	11111
ich L. & S. crwell WoL*L* S. & L. ham W S., L., & K. corge Camberwell L. & S.	5590 59104 71089 50810	35 46 47	2 41 38 21	- 4 15 12	2- 11 8 1		4	1111	1	1		1 1	1 1 1	1 3 1	1 - 1	1 2	21 2	1 - 2
aul Deptford & 'K. icholas Deptford K. awich West H K, lwich East WHH K,	76752 7901 21972	52 8 10 23	42 1 10 11	17 1 6 4	3 - 1 1 1		4 -	1	1	1111	1111	2	-	4 2 2	1	2	4 - 5	1 3 6 1
M H K. H K. Sham WH K.	24605 5045 21559 19865 26076	2 16 15 6	2 4 9 4	2 - 3 1	1 1		1	-						1		4 1 4		1111
Lon H / / K, wich Lockyard K, wich Arsenal HH - K, stead, Weat H K, stead, East W K,	10930 17617 1904- 14009 19241	7 14 15 13 13	4 6 11 8 20	1 1 4 8	1 1 2 - 2		2 -		1				1 1 1 1 1	1 - 1		1 - 1	2 - 4	1111
tal Ships and Camp, Dartford		141111111	1133353	0 111111111111	1 1 2 - 1 2	11111111	11111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		111111111		1		11111111	111111111	111111111	11333355	-

Table 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylum Area; Population; Births and Deaths registered during the Week ending Saturday, 18th October, 18

ARE	A; POPULATION; B	IRTHS 8	and DE	ATHS	regis	tered	duri	ng tl	ne W	eek e	endin	g Sai	turda	y, 18	th O	etobe	r, 18
Regis-		Area							The I	DEATH	regis	tered i	n the	Week	includ	8	
ration		Acres,	Enume-		1.	Dea	ths of				Deati	is from	n				
District	REGISTRATION	inclu-	rated	HS.	DEATHS.	7	ds.		1	1	1	lgh.	1	1-	1 .		Publio
Sub-	SUB-DISTRICTS.	Tidal Water	Popu-	BIRTHS.	EAS	under of Age.	nged	1 :	1	VOE.		109-1				ASES	
Num-		and	1881.	B	A	ta u	na c	-poor	les.	et F	theri	pin	1 .	hook	nee.	at C	hs in
bers.		Fore-	,			Infants	Persons aged Years & upw	Small-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough	Fever.	Diarrhoss.	Violence	Inquest Cases.	Deaths
LO	NDON-OUTER RING	370,924	950,957	760	427	124	92	-	20	5	18	6	9	17	10	20	38
30:1	Carshalton wZ -	12228	21113	7	9	2	8	-	-		2						
2	Epsom (part of)* WwH	9971	10710	7	2	-	2	-	-		-	-	-	-		-	==
87:1	Godstone (part of) * -	2754	1235	2	1		-	ы	-	-		-	-	-			- 4
38:1	Croydon Ww L - Mitcham w	20851 11697	101241	51	25 4	11	6 2		-	-	-	-		-1		3	8
89:1	Wimbledon HHH -	3220	17932 15950	10	3		1									_ ^	
2	Kingston WHH	8549	36354	23	16	7	6	-		-	-	: -	-	2	1	3	1
8	Esher (part of) * -	6601	9221	9	6	1	2	-	-		-	-	7	-		-	- 2
40:1	Hampton H Richmond WH	4573 2272	13539 21302	5	4	2	3										1
2	Mortlake	2912	12331	6	8	2	2	-	8	-	-	-1	-	1	1	2	1.4
47:1	Bromley(pt.of)*HHHH	15669	81142	26	19	2	2	-	2	-	1	- 4	~		1	1	-
2	Chishrst(pt.of)* WHH	14307	15844	23	8	1	2	-	-		1		1		-	7.	ş
42:1	Bexley H Dartford (Ww, pts. of)*	13437	24184	20	7	8					-			-2	-	-	1
124:1	Sunbury w	11055	11685	5	1	_]	-		-	2	_		_	_	_	-	
3	Staines W	13277	12089	15	8	2	3	-	-	-	-	-	-	-	1	2	4
125:1	Hillingdon WHH -	6029	10802	. 9	-	-	-	-	-	-	-	-	-	-	-	-	-
2 8	Uxbridge Hayes wHL	6178 14587	3225 11523	2 10	5	4	1	-	-		-	-	-		-		ď
126: 1	Isleworth WHH -	7008	22727	12	8	8	1	4	1	1	-	-	_				2
2	Twickenham H	2477	12479	2	4	1	2	-	-	-	-	1	-	-	-	-	-
8	Brentford HL Chiswick	4345 1340	27649 15975	19	11	1	1	-	2	-	2			-	1	2.	~
5	Acton wH	6088	22876	14	7	1	1	-	1	-	2	-	-	-	-	-	-7
127:1	Harrow H	13809	12796	8	4	1	1	-	-	-	-	1	-	-	1	1	4
2 8	Edgware H	6994 4383	8749 27453	8	-	-	-		-	1	-	-		-	-	-	-
4	Hendon W	8382	10484	22	13	3	3	-	-	-	-		-	1	-		2
137:1	Bushey	9331	6621	8	1	-	1	-	1	-	-	-	-1	-	-	-	1
2	Watford (W, pt. of)* -	-	,.	-		-	-	-	-	-	-	-		-		1	-
128:1	South Min.ms Barnet	15539 E433	6391 10092	6	2	1	1	-	-	-		-	-	-	-	-	-1
8	Finehiey HL	4683	17615	16	8	2	3 2	-	1	-	-	-	1 -		-	-	1
135 ;1	Hatfield (part of) * -	8806	588	-	-	-	-	-	-	-	-	-	"	-		-	. 78
198 : 1	Hornsey H	8089	37078	24	15	8	3	-	-	-	-	-	1	1	-	-	-
8	Tottenham H Edmonton Ww -	4642 7483	46456 23463	59 10	32	8	4		-	1		-	2	- 9	1	2	8
4	Enfield WH	12653	19104	23	7	2	1	-	-	-	-	1	-		-	-	1:
6	Waltham Abbey Cheshunt H	11017 8480	5368 7785	3	2	2	-	-	-	-	-	-	-		-	-	4
186:1	Stratford	882	38606	7 21	2 14	4	1	-	-	-	-	-	-	7	-	-	-
2	West Ham wHHH -	4055	90847	117	61	26	7	-	8	2	1	-	1	1 4	2	2	1
8	East Ham www Loyton WwL	3296 4372	10706 32430	11	8	2	2	-	-	-	1	-	1	-	-	-	-
5	Walthamstow H -	6520	28869	42 31	26	7 4	8 2	-	1.	-	6 2	1	2	1 1	-		5
2	Chigwell (part of) * H	11761	9663	11	7	-	2		1	-	-		-	-	-	1	-
190.1	Epping (W, pt. of)*		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
189:1	Romford (part of) * W	6730 8493	3411 7645	2 5	4 2	2 2	-	-	-	-	-	-	-		-	-	-
	Backing Town	4127	9208	10	12	6	1		-	-	-	1	-	- 8	-		-
	Re parts of sub description		-	1	-		-		-			- 3				1	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as folio 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Facley in Godstone district; 39:3, Esher sub-district, except the parish of Esher (pop. 1903); 41:1, Bromley sub-district, except the parishes of Cadham Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northaw in Raub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 188:1, the parish of Dagenham in Romford sub-districts in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

BLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 18th October, 1890.

	Area			LRATE	1		The Ds	ATHS	regi	stered	in t	he W	eek i	nelud	0	
GREATER	Acres, including	Estimated Population.		O living.	DEATHS	Dest	hs of		- Aldhaus gariy	1	Death	s from	m			blic
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pul
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.		15.	1 16
TER LONDON	448,334	5,758,500	19.6	2.9	2168	615	443	-	79	25	59	36	32	92	62	432
THE RING -	77,410 370,924	4,421,661 1,336,839	20°5 16°7	2.9	1741 427	491 124	351 92	-	59 20	20	41 18	30	23	75 17	52 10	39

E.—The area of Greater London is 448,334 acres; of which 4,992 acres are tidal water and foreshore. This area is equal 1'522 square miles, which is equivalent to the area of a circle having a radius of 14'933 miles.

TABLE S .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

	POPULATION	Dien			ANNUAL	DE	ATHS	FROM	PRIN	ES.	ZYMO	
Jities.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive of	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoeal Diseases.
UTTA	433,219 {	August 30 September 6	-	169 176	20.3	1	-	-	2	1	57 68	25† 18†
BAY	773,196	,, 23	297	356	20.0	-	1	?	2	2	89	24
RAS	398,777	₉₉ 5	396	537	70.0	3	10	2	2	. ?	126	177†
8	2,260,945	October 11	787	832	19.1	-	8	-	28*	3	24	80
Faubourgs.)	477,288	, 11	196	158	17.2	4	1	-	ij.	-	5	30
CERDAM -	406,802	,, 11	205	126	16.1	-	-		4	3	8	-
CERDAM -	203,486	,, 11	105	75	19.1	-		. =	in .	. 2	-	- 1
HAGUE -	156,497	, 11	84	.75	24.9	-	6	-		-1	-	-
NHAGEN -	812,387	,, 11	172	120	20.0	_	3	2	5	5	-	13
KHOLM -	236,350	. 4	105	82	18.0	-	- ,	5	1	3	4	13
STIANIA -	143,300	,, 11	53	51	18.5	-		6	6	-	im .	5
ETERSBURG	924,466	, 4	-	364	20.2	11	- 5	19	13	5	5	36
AN	1,547,533	September 27	800	558	18.7	-	3	5	24	13	6	103
BURG(State)	591,647	October 4	409	194	17.1	-	2	2	8*	1	2	24
BDEN	269,250	» 4	161	90	17.4	~	1	-	8*	-	-	9
LAU	324,400	,, 11	227	151	24.3	-	1	3	4*	-	2	16
ICH	298,000	,, 11	-	147	25.7	-	1	1	4*	3	1	39
MA	822,176	, 11	455	274	17.3	1	4	-	9	1		25
NUE	314,425	,, 11	-	123	20.4	1	1	2	6	- 040	4	4
A-PESTH -	463,017	25 4	311	216	24.5	-	-	. 9	12	1	5	20
STR	160,092	, 11	84	52	16.9	~	-	-	1	. 2	-	7
	417,392	September 13	204	152	19.2		4	-	-	1	17‡	20
(10 days)	- 314.827	. " . 10		-		-	-		ten	-	1-	
ICE	156,800	,, 27	86	71	23.6	12	5	~	2*		-	5
0	. 374,838	,, , 18	· S44	343	47.6		_	_	2*	1	15	129
CANDRIA -	231,396	, 18	153	189	42.2	-	-		2*	-	10	51
YORK -	1,617.997	,, 27		639	20.3		2	3	11	6	16	62
KLYH -	871.852	,, 27	_	370	22.1	_	1	2	5	7	4	37
ADBLPHIA -	1.064,277	27	-	335	16'4	_		-	12	3	11	21
IMORE -	500,843	,, 27	-	162	16.8		1	-	7	6	3	12
OBLEANS -	254,000	,, 20		113	23.2	-	_	1	1	1	3	6
			1									

Including deaths from croup.
 Including 5 and 3 deaths respectively from cholera in Calcutta, and 51 in Madras.
 Including 14 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the HOYAL URBERVATORY, GREENWICH, during the Week ending Saturday, 18TH OCTOBER, 1890.

[Under the Superintendence of the Astronomer Royal.]

BARO- TEMPERATURE. Difference between	TEMPERATURE.	ATURE.	ATURE.	ATURE.	ATURE.		Difference between	Difference between	ce between	en K			TEME	TEMPERATURE	URE.		Wind as deduced from Anemometers	duced fi	rom Ane	mometer	rg.		Rain	
		METER.					0	f the t	he Air T	empera	ture De	Sgree		2	tho Wot	100	Osler's.						in a	
1890.	Phases	daily reading		0	Of the Air		A-	Dew Point.	Tem	erature	6 H 5	of Hu- midity (Satu-	Of Radiation.		of the Thames at Deptford.		General Direction.	Pres	Pressure on the Square Foot.	the t.	Robinson's.		whose receiving	Ozone
Монти анд Дат.	Moon.	rected and re- duced to 32° Fahren- heit).	High-	Low- 1 est. R	Daily Bange.	fean laily alue.	parture from d d Average vi	Mean Daily d	Mean Gaily value.	Great.	Least. 1		High- est in Sun's Rays. Grass.		High- Low-	t. A.M.	P,M.	Great-	Least.	Mean of 24 hourly obs.	Horizontal Movement of the Air on each Day.	Depar- ture from Average of 16 Years.	Surface is 5 inches above the Ground.	
OCTORER.		in.	64.9	38.4	26.2	6.09	0.8	945.2	0.7.2	9.91	0.0	81	0 82.	.	56.6 54.5	5 SW. & Calm	a SW. & Calm.	lbs. 0.0	1bs. 0.0	lbs. 0.0	Miles.	Miles.	in. 0.00	0.0
1 81	In Enuator.	30.180	26.6		22.1	45.1	- 6.5 4	6.5%	2.5	8.6	0.0	92 9	91.0		56.4 54.9	.9 Calm.	Calm.	0.0	0.0	0.0	41	-209	00.0	0.0
TUE8 14		29.933	24.1	33.0	8.03	48.8	4 9.4 -	43.6	6.0	5.4	0.0	99 5	55.0 31	81.8	54.8 53.4	.4 Calm.	Calm & SW.	0.0	0.0	0.0	104	-149	00.0	0.0
. 15		29.497	2.99	41.4	12.3	- 2.09	- 1.1 4	6.94	3.3	8.9	0.0	88	96.1 35	35.0 55	55.2 53.8	8 SW. & SSW.	7. WSW. & W.	9.8	0.0	F.0	407	+151	0.19	0.0
THURS. 16		29.491	55.1	40.4	14.1	47.5	- 3.7	9.88	8.0	15.6	3.0	7.1 9	2.16	32.0 54	54.4 53.0	WSW. &	W. & WNW.	00	0.0	1.3	292	+308	10.0	0.0
. 17		29.691	54.5	6.24	11.3	1.85	8.0.8-	39.9	6.8	12.0	1.8	73 6	67.7 35.	10	53.6 52.3	=	WNW.	3.0	0.0	8.0	488	+ 226	00.0	0.0
- 18		878.67	53.4	44.5	6.5	- 9.84	- 2.4	39.4	9.5	12.8	5.6	20 8	81.5 38	38.0 25	52.9 51.4	WNW. & NNW.	NNW.	3.7	0.0	8.0	451	+187	00.00	0.0
MEANS .	:	29.840	56.5	8.68	10.1	- 2.24	4 9.8	42.4	1 4.0	1:11	1:1	85.2	83.8 33.6	1	54.8 53.3	3 SW. NW	V. & Calm.	:	:	:	Sum 2160	Sum +368	Sum 0:30	0.0
No. of Col	00	4	1G	9	1.1	00	6	10	111	12	13	14	15 16	16 17	7 18	3 19	20	21	22	23	. 24	25	26	27
DATE. October.	FLE (For es	FLECTRICITY. (For explanation of symbols, see Note.)		Registered Sun above Sunshine, Horizon, in hours.	Hor Hor in ho	above izon,		GE	GENERAL REMARKS	REM	ARK	rô.		The	height zion ha	The height of the cistern rrection has been applied t	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. Observations are usually taken at 91, A.M.: 10001; 31, P.M.; and 91, P.M. The means of the	meter i	is 159 fe duce to on; 3h	eet abo	ve the med vel.	an level o	vel of the sea; no	a; no
		m. P. generally	10	6.1	10.	6.	Cloudless; dense	s; dens	e fog in		ng; aft	morning; afterwards	very	eye-re-	adings ted in photog	of the baromen to mean daily raphic records renty years en	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1885 for the thermometers. With the corrected mean reading	lb ther application the two	momeration of enty y	f correcters end	d the wet bulb thernometer, are setions deduced from a discussion adding 1873 for the barometer, and With the corrected mean reading	bulb ther uced fron for the bi	rmomete aromete mean re	r, are rission r, and ading
MONDAY 13		v. P. in morning; m. P. afterwards.	ing:	1.3	10	00	Cloudless morning.	and	foggy	throughout;		hoar frost	ij	and n (colun	dry bu ninimu nn 8).	lb thermometem the thermometem. The mean days on deily wall,	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean delivations of the dry and were bulb thermometers by Glaisheys Huron-	the co	rrected lean da rature	mean aily valued dand d	of the read lue of ter egree of l	eadings of the maximum temperature of the air of humidity are deduced ers by Glaisher's Hypro-	the max re of the are de	imum ie sir duced
TUEBDAY . 14		m, P. generally	•	0.0	10	L-	Cloudless; dense fog till evening; night fine.	s; den	se fog ti	Il after	tuoou:	afternoon; slight fog till		metric The record	averae s made	les. te temperature at Greenwich	metrical Tables. The average temperature of the air is that derived from a discussion of the photographic Preserves and east Greenwich during the 20 years ending 1868, and that of horizontal movement.	that d	erived	from a 1868, an	discussic	n of the	photog tal mov	aphic
WEDNESDAY 15		w. P. till afternoon; m. P. afterwards.	t uo	57	10.		Fine in morning; cloudy and showery till a noon; variable afterwards, with rain about 9 p.m.	morni iable at	ng; elo	ndy an	show rain abo	ery till out 9 p.n	fter-	of the In r	air fro	m a discussion the columns han the avera	of the air from a discussion of the anemometric records for the 16 years outling 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "highers" — "Compey" than the average.	metric Il be b	record	mind	e 16 years that + in	dicases.	higher	" and
TRUBBDAK . 16		w. P. in morning; v. N. and v. P. after- wards.	ng; ter-	5.8	10	9	Partially cloudy and fine till night with occasional rain.	occasio	y and final rair	le till	evening	evening; variable	at	The the su their Corpo	rface, reading	The thermometers in the wa. the surface, at the end of one their readings are registered Cornoration of London.	The three-mometers in the water of the Thames are suspended as a upput of two feet, for the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptiond, their readings are registered by the Clerk of the Market, under instructions from Cornoration of London.	ties of lerk of	the F	oreign (Market,	are suspended as a upput of two feet, of the Foreign Cattle Market at Deptfoud, the Market, under instructions from	rket at I nstructio	yeo reer. Deptfond Dus froi	reet below trond, and from the
. 17			•	0.0	01,	10	Generally overcast till evening; cloudless and fine at	y overc	ast till e	vening	; cloud	less and	fine at	The	recor	d of Electrici	The record of Electricity is derived from Thomson's self-registering Electrometsn. symbols employed are: P. positive; N. negative; W. Weak; m. moderate; s. strang;	from 7	Chomso tive; v	n's self	registerii	ng Electr derate; s	cometan	The snd
SATUEDAY . 18		w. P. generally	•	9.4	10.	22	Cloudless in early morning; generally cloudy wards.	s in ear	ly morn	ing; ge	nerally	cloudy.	after-	The num the aggrega The resu	numb gregat result	ers in column e duration of h s of all the m	Y. Variabole. The numbers in column 29, derived from the Campbell-Stokes Sunshise Instrument, show the agreeage duration of bright smishine on each day. The results of all the meteorological observations are to be understood as applying to the	m the	Camph ich day	ell-Stol	kes Sunst	tine Inst	russent	show to the
				Sum	Su	m								civil o	lay, or readin	from midnigh g of the barome	civil day, or from midnight to midnight. The reading of the barometer increased from 30°23 in, at the beginning of the week to 30°25 in	from 30).23 in.	at the	beginning	of the we	ek to 80	.25.in.

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 43. 1890. Vol. LI.] WEEK ENDING SATURDAY, OCTOBER 25. [Price 12d.

General Register Office, Somerset House, 27th October, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.6 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Weeks endin	g		Week	ending
Towns.	Oct. Oct. Oct. 4. 11. 18.	Oct. 25.	Towns.	Oct. Oct. 4. 11.	Oct. Oct. 18. 25.
Birkenhead	22.3 25.3 23.3	28.3	Liverpool	22.0 21.7	22.0 20.6
Birmingham	16.7 20.3 16.7	19.9	London		20.5 19.5
Blackburn -	25.3 32.9 26.6	25.7	Manchester -	30.6 29.0	28.0 29.4
Bolton -	16.7 22.5 24.3	23.0	Newcastle-on-Tyne	31.4 25.9	22.7 25.9
Bradford -	22.1 25.6 22.5	20.8	Norwich	28.4 20.8	20.2 18.6
Brighton -	18.6 16.9 17.3	14.8	Nottingham -		12.3 15.5
Bristol -	14.1 14.6 19.8	15.3	Oldham	16.3 17.8	22.4 19.9
Cardiff -	20.1 25.4 20.1	29.9	Plymouth	33.1 24.5	13.9 21.8
Derby -	10.3 12.4 19.1	22.7	Portsmouth -		15.7 18.6
Halifax -	17.2 23.5 21.0	22.2	Preston		25.8 26.3
Huddersfield	18.8 19.4 18.3	13.3	Salford		21.5 21.5
Hull	18.8 17.8 18.0	23.4	Sheffield	26.6 21.1	24.9 25.2
Leeds -	18.9 22.9 19.1	19.1	Sunderland -		25.2 27.5
Leicester -	15.5 19.6 19.9	15.2	Wolverhampton -	22.2 21.9	23 · 1 15 · 6

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·3 in Cardiff, 1·4 in Sheffield, 1·6 in Manchester, 1·8 in Oldham, 2·3 in Bolton, 2·5 in Birkenhead, 3·0 in Brighton, and 4·1 in Bradford; from scarlet fever, 1·0 in Birmingham, 1·5 in Liverpool, and 1·9 in Manchester; from whooping-cough, 1·1 in Norwich; from "fever" 1·0 in Hull, and 2·0 in Birkenhead; and from diarrhea, 2·5 in Preston, 2·6 in Manchester, and 5·1 in Blackburn. The 46 deaths from diphtheria included 23 in London, 8 in Salford, 3 in Manchester, 4 in Portsmouth, and 2 in Newcastle-upon-Tyne. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2512 births and 1649 deaths were registered. Allowing for increase of population, the births were 359 below, while the deaths exceeded by 11, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.4 and 20.5 in the preceding two weeks, declined last week to 19.5. During the first four weeks of the current quarter the death-rate averaged 18.5 per 1000, and was identical with the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 64310.-4. 635.-10/90. Wt.

The 1649 deaths included 70 from measles, 29 from scarlet fever, 23 from diphtheria, 28 from whooping-cough, 15 from enteric fever, one from an ill-defined form of continued fever, 55 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 221 deaths were referred to these diseases,

exceeding by 26 the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 6; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had increased in the preceding four weeks from 22 to 59, further rose last week to 70, exceeding the corrected average by 33; 24 belonged to the East and 32 to the South groups of sanitary areas. The fatal cases of scarlet fever, which had been 20 in each of the preceding three weeks, increased last week to 29, but were 20 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1964 scarlet-fever patients at the end of last week, the numbers on the preceding nine Saturdays having increased from 1427 to 1921; 203 cases were admitted during the week, against 225 and 208 in the preceding two weeks. The deaths from diphtheria, which had been 28, 38, and 41 in the preceding three weeks, declined last week to 23, and were one below the corrected average. The 28 deaths from whooping-cough were slightly below the numbers in the preceding two weeks, but exceeded the corrected average by 2. The deaths from diarrhea, which had declined in the preceding three weeks from 105 to 73, further fell last week to 55, but exceeded the corrected average by 29; 49 were of children under 5 years of age, and 4 of persons aged 60 years and upwards. No death was attributed last week to cholera or to choleraic diarrhaa.

The 15 deaths referred to enteric fever were 6 below the number in the previous week, and 10 below the corrected average. The Metropolitan Asylum Hospitals contained 175 cases of enteric fever, and one of typhus, on Saturday last; 23 cases of enteric fever were admitted during the week, against 23 and 24 in the

previous two weeks.

The deaths referred to diseases of the respiratory organs, which had numbered 197 and 340 in the preceding two weeks, further increased last week to 417, and

exceeded the corrected average by 24.

Different forms of violence caused 50 deaths, concerning all but 2 of which inquests were held. Of these 50 deaths, 2 were cases of suicide, and one of murder, while the remaining 47 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 7 by burns or scalds, 2 by poison, 3 by drowning, and 13 (including 10 of infants aged under one year) by suffocation. The death of a male, aged 36 years, was referred, after inquest, to "syncope during administration of chloroform previous to operation for broken patella."

GREATER LONDON.

In Greater London 3305 births and 2061 deaths were registered, corresponding to annual rates of 29.9 and 18.7 per 1000 of the estimated population. In the Outer Ring 35 deaths were referred to measles, 13 to diarrhea, 10 to diphtheria, and 8 to "fever." The deaths from measles included 12 in West Ham, 3 in Leyton, 4 in Brentford, and 4 in Acton sub-districts. Two deaths from diphtheria were returned in Carshalton, 2 in West Ham, and 2 in Leyton sub-districts.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30.04 ins.; the highest reading was 30.36 ins. on Wednesday at noon, and the lowest 29.38 ins. at the end of the week. The mean temperature of the air was 48°·2, and 1°·8 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on each day of the week except Friday, the deficiency on Wednesday amounting to 5°·0. The general direction of the wind was Westerly, and the horizontal movement of the air averaged 9·0 miles per hour, which was 2·2 miles below the average in the corresponding weeks of 16 years. Rain fell on two days of the week, to the aggregate amount of 0·45 of an inch. The duration of registered bright sunshine in the week was 8·8 hours, against 6·6 hours at Glynde Place, Lewes.

	CITIES	AND BOROUGHS,	Cols.	- 28 Тоwив.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	BRISTOL,	WOLVERHAMPTON.	BIRMINGHAM.	Nonmings.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	M. a we common and a second	SALFORD.	OLDHAM.	BLACKBURE.	PRESTON.	HUDDERSPIRED.	HALIPAX.	BRADFORD.	LEEDS.	HILL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.		EDINBURGH.	DUBLIE.		
ALK.		In Centi- metres.	24.	0.89	1.14	1.09	07 1	0.15	88.0	9/.0		1 0	0.70	1	2.51			, ,					1	0.58	1	. K.	9.84	0.74	-		15.0	64.0		
RAIMPALL		.sadouI al	23.	0.35	0.45	0.07				02.0	1	-	20.0	1 4	66.0		_			1	1	1		11.0	ı	1 00.0			-		91.0	0.31		
AIB.	n.	.shargiana.	22.	8.78	00.6	9.22	0 1	0.55	8.00	90.2	1	1 3	96.8	1 1	9.33	3 1					1	1		11.6	ı	1 00	00.0	8.11	1 1		8.94	27.6		
OF THE	Mean	·tiednatds's	21.	8.4		48.6		50.4 1		1.57	1		P 1.8	1)	48.8		-	8 1	1 1	1 1	-1	1	1	48.5	1			46°G	-	,	48.1	61.9		
ATURE	.3	beit Lowes	20.	31.2	37.2	41.5				2.18	1	===	41.3	1 1	G/			8	1			1	1	8.27	1	_		0.80		-	33.2	26.82	3	
TEMPERATURE OF THE AIR.	.31	Fahrenheit, Lowes	19.	61.0		56.5		0.19		55.9	t		0.10						1	1 1	1	1	1	2.99				0.09	-	-		58.1	-	
Kate 00.	cathe	From Cols. 6-12.	18.	3.5	******	00 co		BAL - N-	7.0		63 1	70.0	-	9.9	-		0.1	0 .0	2 00		4.0	1.1	1.3	2.6	6.7	0 0		₹ c	1 0	20	50	3.0	10	
The Draver segistered in the Week include	to the Week's Deathe	From All Causes.	17.	9.08	19.6	14.8	18.6	8.12	15.3	0.01	6.61	15.2	G. CI	200	9.03	23.0		25 4 91 · K		98.7	26.3	13.3	22.2	8.03	1.61	25.2	23.4	0. 17	6.07	6.63	17.5	24.4	5 H C	
-	.als:	officertification of the second	16.	69	11	4 -	4 1	-	10 г					- 6	-	_	-	9 -		-			1	1	1	-	9		-	61		38	77	
	-18	Distribution of the contraction	15.	229	381	7.1	1 '	00	13	-	50.	₹ 1	1 -	- 20	40	9		44	77	2	# 63	63	29	15	17	12	16	eo c	00	6	17	8 1	10	turn.
		Inquest Case	14.	244	114	- ×	. H	ಚಾ	ec -		14		00 k	0 4	, o	9	,	20 1	- 0	N -	1 1	1	1	4	10	c3	00	41	2	4		a	ę.	is Ret
opi	-	Violence.	13.	112	50 1	٦,	1 1	-	~	1	10	1 0	N 7	٦ ٥	2 00	2 00			4 1		1 1	1	8	1	10	1		64	10	ಣ	1	=	2	e of th
The DEATES registered in the Week include		.amdrraid	12.	306	55	- 1	61	61	94 0	· · ·	00	00	₹ r		F 20	2 10	•	19	11	20 0	N 10)	г	10	12	10	10	9	10	01	10	9	=======================================	See note on first page of this Return
be We		Ferer.	11.	45	16	1 1	-	1	7	1	7	1 4	20	1 %	4 0	3 1		- r	~	1	-	1	ı	-	9	1	41	67	-	1	07	10	9	on fir
ad in t	from	Whooping-	10.	54	28	1 -	H 27	1	ı	1	10	_		1	1 6	9 1		9	1	1	1 1	,-	1	1	П	67	-	н	97	8	20	90	99	e note
gister	Deaths from	Diphtheria.	9.	46	23	1 4	e -	1	1	1	-	7	1	1	1 7	-	1	63	00	ı	1	-	1	1	8	1	М	1	33	1	10	Lo !	-	· Se
THE	a	Scarlet. Tever.	00	06	53		- 1	1	1	ı	6	c1	en 1		1 0	10	1	14	00	1	1 1	1	-	-		4	E	1	1	1	2	1	1	
o DEA		Measles.	7.	151	20	-			1 1	-	4	M	-	٠ ،	۵ ,	41 m		12	-	13	0 1	1 1	1	19	1	6	1	1	\$	62	-	00	1	
T T		Small-pox.	6.	1	ě	1 1	1 1	1	ı	1	1	1	1	ı		1	1	1	1	8	8	8	1		1 1	ı	8		1	1	1	1	1	ı
	B of	Persons aged 60 Years and upwards.	5.	770	350	7	13	20	11	00	32	9	23	12	20 2	22	11	600	17	11	10	67	90	14	93	23	28	13	18	11	24	325	40	
600	Deaths of	Infants under Tear of Age.	4	1056	420		22 7	9	30	90	48	18	21	7	17	63	11	51	24	14	50	15	e 0		43	4	26	24	24	25	21	69	24 4	
- Sullan	guipe	. •	*	3832	1649	35	51	# 673 673	89	25	176	45	73	44	22	242	10	214	100	56	61	56	1 K	3	133	191	96	72	81	49	16	248	166	ı
Decision during	the Week ending	Som Oct., Associated	63	5652	2512	65	98	50	126	49	290	66	116	47	61	307	75	249	136	11	7.4	80	272	196	918	202	151	93	149	 %	120	368	153	
2	×	to the middle of the Year 1890.*	1.	9.715.559	4.421.661	123,659	142,952	95,352	232,248	83,406	461.865	154,344	244,909	100,871	105,049	613,463	115,846	879,437	242,509	146,716	123,553	105,163	89,203	340 K1K	268.799	\$32,837	218,833	136,506	162,987	117,012	271.135	530,208	282,082	
-	24		Cols.		•		•		1	MO	•				•	•		٠	•	٠	•	• •		1		٠	٠	•	•	•	1	8	٠	1
		CITIES AND BORUGHS.	Co	OR TOWNS		REIGHTON -	PORTSMOUTH	Norwich .	PLYMOUTH .	WOLVERBAMPTON	MAHDWIMAN	I TOTAL STREET	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL .	BOLTON	MARCHESTER	SALFORD .	OLDHAM .	BR	PRESTON	HODDERBRARE.	Destroop	TERDE	1996	HULL .	SUNDERLAND	NEWCASTLE .	CARDIFF .	RDIMBURGE .	GLASGOW .	DUBLIN	

FABLE 2. LONDON.—Births and Deaths Registered in the FORTY-THIRD Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2490	2753	2570	2724	2694	2581	2635	2581	2666	2580	2870·5	2512
	1310	1378	1336	1366	1391	1338	1370	1357	1850	1308	1472·5	1252
	1180	1375	1234	1358	1303	1243	1315	1224	1316	1272	1398·0	1260
TOTAL Deaths Males Females .	1521	1588	1466	1450	1463	1366	1380	1738	1737	1310	1637·8	1619
	796	822	767	753	744	696	693	907	914	696	848·2	850
	725	766	699	697	719	670	687	831	823	624	789·6	799

[•] The numbers in this column are the average weekly numbers in the forty-third weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE S. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE	3. LUNDONBI	16111109	27232	,			MODO	01 111	UIIC .	Dust 1	HIKL		VEEK	,,
		Aug.	Aug.	Aug. 16.	Aug. 23.	Aug.	Sept.	Sept.	Sept.	Sept.	Oct.	Oct. 11.	Oct. 18.	Oct. 25.
TOTAL	Births	2557	2176	2527	2487	2614	2469	2539	2355	2458	2433	2409	2412	2512
TOTAL	Deaths	1683	1594	1751	1629	1659	1514	1410	1375	1458	1413	1472	1741	1649
Ages at Death	0—20 years - 20—40 ,, - 40—60 ,, - 60—80 ,, - 80 years & upwards	938 186 282 277 50	915 171 225 230 53	019 169 263 246 54	961 148 233 235 49	911 190 265 234 59	796 177 240 245 56	687 183 238 256 46	667 200 214 232 62	740 182 236 256 44	726 170 223 253 41	747 180 240 251 51	870 204 316 281 70	835 200 264 296 51
99	Under 1 year - 15 520	554 286 98	549 294 72	635 294 90	603 292 69	525 282 104	459 217 90	395 217 75	376 227 64	429 207 104	433 193 100	436 213 98	491 260 119	429 306 100
99 99 93 93 99	rom Small-pox - , Measles , Scarlet fever - , Diphtheria - , Whooping-cough , Typhus Enteric fever -	82 19 36 45	95 17 22 37	80 27 15 39	73 16 20 39	60 24 26 39	56 18 16 46 -	39 18 18 35 1	33 14 35 38 -	1 22 16 38 29	30 20 28 18	38 20 38 29 -	59 20 41 30	70 29 23 28
99 - 299	", SimpleConta fever ", Diarrhœa and Dysentery -} ", Cholera -	1 177 7	1 176 4	1 262 10	255 12	- 180 7	1 128 5	117	94	2 86 6	1 105 3	1 94 2	75 2	1 55 -
29 :	" all the above- mentioned Diseases	878	363	450	426	353	288	251	238	218	229	246	250	221
	, Dis. of Respira- tory System } , Phthisis - , Dis. of Circula- tory System }	215 147 118	197 126 119	208 129 113	203 119 116	184 167 100	180 139 120	210 136 114	187 157 136	222 130 104	262 123 100	197 147 123	340 204 144	417 139 151
_	Cases in Public Institutions	73 134 405	50 103 378	75 128 403	54 105 343	57 105 364	54 98 391	55 109 360	43 83 360	52 103 877	61 107 335	49 113 347	52 123 397	50 114 381
Mean Mean	of Highest readings -	62·9 74·4 53·9	73.8	61·1 73·2 54·6	59·0 69 0 51·8	66.5	71.0	73.2	71.7	69.2	66.3	54·8 64·1 45·5	47·7 56·5 39·8	48·2 54·4 43·2
Rain-fal	ty of the Air	77 0·11 31·9	77 0·00 30·5	1	1			1				82 0·33 36·5	1	1
Register	red Sunshine (in hours)	01 5	100 3	02 0	01 5	00 0	20	10	30.	21 9	30-9	30.3	16.0	8.8

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartup, Esg., F.R.A.S., F.R.Met, H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Fsq., F.G.S., F.R.Met, Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and V.m. Lyall, Esq., Newcastle-on-Tyne.

Table 2. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Forty-third Week of the Year 1890.

			-	T. C	RT	Y-TH	IIRI) M	v eel	of the Year 1890.									
	for the 10 years			the day,			ding ber 1	1890.			for the	8	atur	n the	We 25th	ek er Octol	nding	89.).	
	ges fo		D	eaths	of P	erso ges	ns of				ges for		De	eaths	of P		as of		
CAUSES OF DEATH.	Averages sks of the 1880-89.		Ţ	Juden 20.		er 40.	under 60.	ar 80.	and	CAUSES OF DEATH.	Averages eks of the l 1880-89.*		τ	Inder		r 40.	. 60.	r 80°	BEd
	Wee I	AGES				i under		i under	Years upwards		Week	AGES.		20.	-	under 40	under	under	
	Corrected A	ALL	0-1.	1-6.	5-20	20 and	40 and	60 and	X OS		Corrected 43rd Wee	ALL !	0-1.	1-6.	5-20.	20 and	40 and	60 and	80 Years
ALL CAUSES	1637.8	1649	429	306	100	200	264	296	54	Diseases of Organs of			Ī						-
(Vaccinated) -	1.0	-	-	-		_	-	-		Special Sense †}	1.2	2	1		1	-	_	_	-
Small- pox Unvaccinated	1.2 3.2	-		-		-		Ŀ		Diseases of Circulatory	118.5	151	3	5	8	28	52	54	3
Measles	36.6	70	8	61	1								-	-			-	-	-
Bearlet Fever	49.0	29	1	24	4		-		-	Croup Bronchitis	15.4 236.0	15 250	92	11	4	-	25	-	-
Typhus	0.9	- 1	1-	-	-	,	-	-		Pneumonia	101.0	118	34	54 39	5	10 15	20	56 3	11 2
Relapsing Fever †	0.0			90		-	-			Pleurisy Other Diseases of Respi-)	34.6	28	8	7	2	2	1 2	9	
Influenza	25.8	28	13	15	Ĩ					ratory System 5	0.0		1		-		-	0	
Whooping-cough Diphtheria	23.8	23	-	14	8	-	1		-	Dentition †	9.9	5	3	2					
Simple Continued and	1.6	1					_			Quinsy, Sore Throat † - Enteritis	3.2	15	1 7	4	1	1	1 2	1	
Ill-defined Fever -5	25.3	15			-	.1				Peritonitis Diseases of Liver	8.6	3	i	-	-	-	-	2	B
Enteric Fever Cholera and Chol. Diarr.	0.4	10			5	7	3	-		Other Diseases of)	29.8	26 27	8		3 2	2 2	11 2	7	1
Diarrhea, Dysentery -	28.1	55	33	16	1		1	3	1	Digestive System -}			Ł			H			
Remittent Fevert	1.1	-			-	-			-	Diseases of Lymphatic)					-				
Hydrophobia	0.1	-			-	-	H	-	-	Diseases of Lymphatic System & of Ductless Glands †	2.1	1	-	-	1	-	~	-	
Glanders	-0.1			w	-	-	-		-	0.0000						_	_	_	
Cowpox and Effects of \ Vaccination † -	0.1			Ŀ	-	-	H	-		Diseases of Urinary	43.2	36	2		2	4	14	12	
Venereal Affections -	11.2	11	7	-	-	_	3	1		System}	20 2	00	-		Z	*	1.2	1.6	2
Erysipelas	9.6	5	2	-	ŀ	1	H	2		7.				_					
Pysmia and Septicsmia †	2.8	5	-	1	2		2	-	-	Diseases of Generative	6.0	6	-	-		2	1	3	
Puerperal Fever	1.3	3 2		-	1	2	1	-		Accidents of Childbirth -	3.8	6	-	-		6	_	_	-
Other Zymotic Diseases †			7	-	-	_	1	_		Diseases of Locomotive	5_								
Thrush	1.7	1	1	-		_		-		System +}	7.4	5	-	3	1	-	-	1	
Worms and other Para-}	C'5	١ -	-	-		-		~		Discourse ST.									
BIGICAL DIBORBOS)		-	-	_		_				Diseases of Integumen- tary System}	5.9	2	2	-	-	-	-	-	
Starvation, Want of	1.2	2	2														-		
Breast-milk †}	4.2									VIOLENT DEATHS.									
Alcoholism	7 0	9	_	_	_	2	6	1											
Rheumatic Fever,	10.5	70								(ACCIDENT.) Fracture and Contusion	21.2	19	1	2	4	8	4	5	
Rheumatism of Heartf		10		-	7	3	~	-		Fracture and Contusion Gunshot Wound Cut, Stab	0.3	1	-	-		1	-	-	-
Rheumatism †	2.3	1	-	-	-	-	-	1	-	Burn and Scald	5'6	7	ī	2	2	ī	1	-	
Rickets †	2.7	8 5	1	4	7			3	-	Poison	1.1	3	-	-	1	ī	ž.	1	
Cancer	57.8	65	-	1	1 1	7	27	30	-	Suffocation	11:3 2:4	13	10	-	-	2 -	-	1	
Tabes Mesenterica -	27.5	44	28	10-	5	1	-	-	-			-	-		-	_		_	
Tubercular Meningitis -	21.3	14	3	7	2	1	1	-	-	(HOMICIDE.)									
Phthisis	176'1	139	3	8	15	70	34	14	-	Murder & Man-laughter	1.7	1	1	-	-	-	-		-
Scrofula, Tuberculosis -	15.4	22	5	8	2	2	5		-				-	-			-		
Other Constitutional Diseases † }	10.3	16	-	-	1	6	4	5	-	(SUICIDE.)									
Premature Vi			-	_				-		Gunshot Wound Cut, Stab	0.3	~	-	-	-		-	-	
Premature Birth	36°3	41 3	41	-1		-		-		Poison	0.8 1.8 0.8	1	-	-	-	-		-	-
Congenital Malforma-			3	-	-	-	-	-		Hanging Otherwise	1.3	1	-	-	1 -	1	-	-	-
tions}	6.3	9	9	-	-	-	-	-		Otherwise	1.0		-	-	-	-		-	-
Old Age	49.1	39	-	-		-	-	18	21										
Apoplexy	48.7	36			_	0	_	21	3	(EXECUTION.)	0.0		1						
Epilepsy	6.9	4	-	-		8	6 2	21	1	Hanging/	0.0	-	-	-	-	-	-		
Convulsions	44 7	85	34	1	-	-	-	-											
Other Diseases of Brain } and Nervous System }	81°3	9-3	11	10	5	9	25	23	3	OTHER CAUSES !	69.4	56	46	2	-	-	5	1	2
January Company System		1	1				1			1 (: 1		1	1			-	-		
* The numbers in this c									-				-	-	_	Name and Address of the Owner, where			-

dence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, and all such cases are classed under " accident or negligence."

TABLE 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarle during the Week ending

	1						The	DEA	THE P	ogist	ered i	n the	Wee	k ine	lude		
	Enume-			Dast	hs of					Deat	hs fr	om					
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881	Total Births.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con-	Diarrhea.	Violence.	Inquest Cases,	Deaths in Public Institutions.
LONDON * - "	3,815,704	2512	1619	429	350	-	70	29	23	28	-	15	1_	55	50	114	381
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASTUME OUTSIDE RESISTRATION LONDON	669,633 905,947 282,338 692,738 1,265,148	337 521 123 516 1015	239 316 107 345 578 84	60 92 24 93 160	72 80 15 56 118 14		7 7 - 24 82 -	3 9 - 8 13 1	3 7 8 5 5	6 9 1 3 9 -	1 1 1 1 1 1	2 6 1 8 8 -	1	6 9 8 11 21	10 11 2 9 18	22 28 4 34 26	59 90 23 72 98 34
St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J. Kensington Town Ww - W.M. & C. Brompton H - W.M. St. Pater Hammersmith H W.M. & G.J. Fulham Ww - W.M. & C.J.	69898 37830 120141 43010 7899 64340 42900 15049	38 7 49 11 2 40 70 13	24 11 43 10 1 30 30	8 1 9 8 - 14 12 -	6 5 15 4 - 5 6 2	11111111	1 1 3 -	2 - 1	1	1 - 2 1	11 11 111 11	111111	11 11 11 11	1 - 1 1	1 - 1	2 2 1 2 - 2 4 - 2	2 7 11 2 -3 6
Chelsea North WHHHHH - C. Chelsea Sou'h HHH - C. Chelsea Sou'h HHH - C. May Fair W - G.J. Reigrave WHHH - C. St. John Westminater HHH - C. St. Margaret Westminater H - C. St. James Westminater WHH N.R.&G.J St. Ames Soho HHHHHH - N.R.	42683 30396 80353 59220 35496 24679 29941 16608	22 16 10 15 21 5 11 8	10 13 7 21 11 9 14 8	1 4 - 3 1	6 5 4 4 1 3 6 -		1	111111	111111	1 12 1 1 1			11 6611	1 - 1 - 1 1	2 1 - 1 1 -	2 2 1 2 -	4 4 7 2 5 2 -
NORTH DISTRICTS. All Souls Marylebone HHHHH W.M. Cavendish Square HHHHH — W.M. Rectory Marylebone WH G.J. & W.M. St. Mary Marylebone WH G.J. & W.M. St. Mary Marylebone HH — W.M. St. John Marylebone H — W.M. St. John Marylebone H — W.M. Tottenham-court eHHHHH N.R. & W.M. Gray's Inn Lane HHH — N.R. Somers Town H — N.R. Camden Town WH — N.R. Kentish Town W — N.R. Kentish Town W — N.R.	24809 21118 33700 33638 45452	5 4 13 26 7 16 27 19 14 22 17 10 44	11 5 8 7 8 11 23 12 12 10 13 10 41	3 - 1 - 2 - 5 - 1 4 4 3 4 4 5 3 10	114222166	1111111111111		4	4	1 - 1		1		2 - 1 1 1 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 2 2 1 4 4	10 9 3 1 5 9
Kentish Town W William N.R.	67946 100976 61835 52048 22781 9277 37610 76911	64 52 32 23 20 5 17 55 29	43 24 9 15 10 5 14 45 12	11 10 5 5 5 2 1 8 10 4	14 8 2 8 1 8 10 1	11111111	1 1 1 1 1 1	5 -	1 - 1	2 1 2 1		3 1	1	2 1 1	1 4 1	8 5 1 - 1 1 - 1 -	21 1 - 1 21
St. George Bloomsbury - N.R. St. Glies South WH N.R. St. Glies North H - N.R. St. Martin-in-the-Fields HH N R. & C. St. Maryle-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton wo.	14864 13837 17509 7515 8559	5 4 8 8 4 3	3 2 4 6 2 8	3111	1		1111111		1	1	1111111		11111111	1111111	1	1	1 3 1 5
St. Geog-the-Martyr HHHHHHH N.R St. Andrew Eastern W - N.R Saffron Hill H N.R St. James Clerkenweil - N.R Amwell Clerkenweil - N.R Geografichen - N.R Goswell-street - N.R City-road HHL - N.R Whiteeross-street - N.R Holborn Union Workhouse, Mitcham	10706 6538 17516 19281 14773 17506 11541 18628 9217 7468	1 5 19 8 7 3 1B 6	7.88		1 2 2 2		1 1 1	1.			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			2 2	1	2	4
St. Botolph H	L. 11174 7193 5358 8396 13666	2 1 3 3	1	3	- -			-	2		1 1 1 1	-	-	- 2	11111		11 1 -

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutious situated therein, namely: W—W. house; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishm receiving immates from other Dustrict tans that in which it stands. The Koman capitals signify the Water Companies which supply as differ sub-districts—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsen; S. Southwark and Vauxhall; L. Lambeth; N. R. J. River; E. L., Hast London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHUBA, VIOLENCE, &c., registered in each Sub-district sturday, 25th October, 1890.

							The	DEA	TH: T	ogiste	ered i	n the	Week	k incl	ude			
	Enume-			Deat	hs of				1	Death	s fron	3						1
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Mear of Age.	Persons aged 60 Years & unwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever,	sumple con-	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
East Districts. redited South HL^{\oplus} - N.R. ton New Town w - N.R. ton Old Town - N.R. tent Gerston WH - N.R. & E.L.	22343 29937 28036 46275	15 24 14 33	16 16 8 22	5 3 2 5	8 7 1 5	1111	- - 1	1111		1111	1111	1111	1111		1 - 2	4 - 2	2 7 8	1111
hnal Green North H - E.L. hnal Green South - E.L. hnal Green East WHL^* - E.L.	81187 34399 41405	44 27 55	16 18 82	5 6 8	1 3 10	=	1 1 1	-	1	-				2	2.	2 1 3	1 12	
talfields E.L. & N.R. e End New Town W E.L. ttechapel Church H E.L. & N.R. dman's Fields E.L. gate E.L. W.R. & E.L.	22585 15478 17490 9713 6102	18 15 12 6 5	13 13 -	1 6 1 7	2 -	11117	11111	11111	1-1-1	11111	11111	1	11111	11111	11111	1 2 1	6 11 -	11111
George's North E.L. John, St. George East W - E.L.	38747 8410	20	17	5 1	2	=	4	-	-	-	-	-	-	-	-	1 2	3	1
dwell H E.L. $\&$ N.R. cliff E.L. achouse $\&$ E.L.	10395 16107 32041	4 9 23	8 14	3 2 5	1 -	Ξ	2 3		-	1 -	111	-	111	1	1 -	1	4	
e End Old Town West H - E.L. e End Old Town East WwwH- E.L.	37960 67658	33 45 24	17 45 16	10 10	9	-	ī	1		-	-	1	-	1	2	1 4	5	-
mley wow H E.L. char WWH E.L.	87074 64359 55077	62 86	35 22	6 5 3	6 -	-	1 8	1	ĩ	1 -	111	1	111	8 1 1	1	6	11	-
SOUTH DISTRICTS. Saviour Southwark WH L, & S.	18663 14999 21391 15958 21318 26672 59555 21623	11 7 15 8 14 23 44 25	5 9 13 11 8 10 23 14	1 2 6 3 2 5 4 3	1 - 2 4 4	11161111	1 2 1 1 1 -	1				1111111	111111	111	1 1 1 1 1 1 1 1	1 1 2 2 1 -	8 1	
Olave WH S. & L. Ather Market S. & L. Mary Magdalen W - S. James Bermondsey - S. therhithe WH S. & K.	11956 16300 15669 54682 36024	6 16 17 34 32	13 11 11 10 25	3 5 3 8 6	3 7	11111	1 1 - 1	1 -	1	1 1	11111	11111	1111	1 1 2	3 - 1 1 1	1 1	6 7	1
aterioo-road 1st H -	15195 16351 19876 39859 45232 35882 62837 19017	9 14 9 27 45 20 37 14	5 1 20 22 8 10 24 7	1 - 4 6 6 4 7 3	- 2 6 1 1 6 2	11111111	-	1 2 2	111(111)	1	11111111		11111111		2 - 1	1	3 - 16 9 - 3 - 3	1
t Battersea S. sat Battersea S. pham H S. andsworth WHL S. they S. Leatham w L.	54675 52587 36380 28004 13235 25553	53 45 23 80 11 29	23 30 11 14 2 15	10 10 4 4 - 3	4 7 1 4 - 7	111111	1	111111	111111	11111	111111	State to the	11111	1 1	1	1	7 1 1 -	
wich	5590 59104 71089 50810	1 57 61 41	1 42 37 20	10 12 5	11 3 3	1 6 1 1	3 1		1	1		- 1 - 1	111	î	- 2 1	2 1	16	
Paul Deptford & 'K. Nicholas Deptford K. senwich West H K. eenwich East WHH K.	76752 7901 21972 24608	60 6 17 17	38 2 7 20	6 1 2 5	6 - 1 5	1111	4111	4 - 1	1	-	1111	1	-	3 1 - 2	1	4	8 - 8	2
tham H K. 8 H K. wisham WH K. denbam H L.	5048 21559 19865 26076	2 9 20 24	2 4 9 8	- 1 1 3	1 5 2		1111	1111	- 1			1	-	1.1.1.	- 1	1111	2 -	1
arlton H/I K. bolwich Dockyard K. colwich Arsenal HH K. umstead, West H K. umstead, East W K.	10930 17617 19048 14009 19241	6 8 14 17 37	12 12 3 3 13	1 1 2 2	2 - 1 6	11171	5 1 -	11111	11111	1 -	11111	11111	11111	11111	11111	11111		1
spital Ships and Camp, Dartford - lachmore Hill Hospital terham Asylum - lenth Asylum - avseden Asylum - lustead Asylum - lustead Asylum - lustead		1111111	174466	111111	5 1 2 3	1111111	111111	1	11111		111111	1111111	11/11/11	1111111	11111111	1111111	7 4 4 6 - 4	,
inwell Asylum		-	8	13	1	1	-	-	-	-	-	-	-	-	-	-	8	-

TABLE 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums).—AREA; Population; Births and Deaths registered during the Week ending Saturday, 25th October, 1890.

Regis-		Area in							The D	EATHS	regist	ered in	the V	Week i	nelude			
ration		Acres,	Enume-			Dea	ths of				Death	s from						
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fover.	Diphtheria.	Whooping-cough,	Fever.	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LON	NDON-OUTER RING	370,924	950,957	793	412	106	107	-	85	3	10	3	8	13	15	27	24	7
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	9	9	2	8	-	-	-	2	-	-		1	1		-
87:1	Godstone (part of) * -	2754	1985	1		-	- !	-		_		-	-		-	-	-	-
38:1	Croydon Ww L -	20851	101241	58	80	7	.8	-	1	_	-	-	-	3	2	4	4	-
2	Mitcham w	11697	17932	12	5	2	-	-	-	-	-	-	-	1	-	-	-	-
89:1	Wimbledon HHH -	3220	15950	14	6	2	2	-	-	-		- 1		1 -	-	-	-	-
2	Kingston WHH	8549	36354 9221	27	13 1	2	8	_	_	-		-	_		2	3	2	-
8	Esher (part of)	6601 4578	13539	12	6	1	8	-	-	-	-	-	-	1-1	-	-	1	-
40:1	Richmond WH	2272	21302	11	7	2	4	-	-	-	-	1	-	-	-	-	1	-
2	Mortlake	2941	12331	11	5	1	1	-	-	-		-	-		1-1	-	-	-
41:1	Bromley(pt.of)*HBHH		81142	26	8	3	8 2	-	1	-	-	-			.1	1	-	1
2	Chishrst(pt.of)* WHH	14807	15844	14	7	1	3		1						1	2	1	
42:1	Bexley H Dartford (Ww, pts. of)*	13437	24134	-	9	-	-	-	-	-		-	-		-		-	-
124: 1	Sunbury w	11055	11685	10	1	1	L	-	1	-		-	-	I-I	-	-	-	-
2	Staines W	13277	12089	8	8	-	2	-	-	-		-	-		-	-	-	-
125:1	Hillingdon WHH -	6029	10802	8	1	-	-	-	-	-		-	-		-	-		-
2	Uxbridge	6178	3225 11523	1 11	1 3	2	1		_			_			1 -	1	-	-
126: 1	Hayes wHL -	7008	22727	10	10	1	8		1		_		_			1		_
126: 1	Isleworth WHH - Twickenham H	2477	12479	10	4	Î.,	8	-	-	-	-	-	-	-	-	-	2	-
8	Brentford HL	4345	27649	17	16	2	5	-	4		1	П	-	-	1	2	1	-
4 5	Chiswick	1340 6088	15975 22876	15	8	3	6 2		4	-			-	1	1	2		1
127:1	Harrow H	13809	19796	5	7	2	8	-		-	-	_	-			-		-
2	Edgware H	6994	3749	2	1	-	1	-		-	-	-	-	-	-	-	-	-
8	Willesden	4383	27453	34	14	3	8	-	1		-	-		-	-	1	-	-
107 . 1	Hendon W -	8382	10484	17	4		3										-	
137:1	Bushey Watford (W, pt. of)* -	9331	1899	5 -	1 -		1 -	-			-						-	1
128:1	South Mimms	15599	6391	2	1	-	1	-	-	-	-	-	_	-	-	-	-	
2	Barnet	8433	10092	9	2	1	1		1	-	-	1-1	-	-	-	-	1	-
3	Finchiey HL	4683	17615	18	3	-	2			-	-	-	-	-	النا	-	1	-
185 ; 1	Hatfield (part of) * ~	8306	583	1	-						-		-	-		**	-	
128:1	Hornsey H Tottenham H	8039 4642	37078 46456	24 46	13	3	3		-	-	1 -	-	2	1	1 3	3	-	
8	Edmonton Ww -	7483	23468	18	8	3	2	1-	-	-	-	-	-	1	-	-	_	-
4 8	Enfield WH	12653 11017	19104	26	19	8	3		- 2	1	-	1	2	-	-	-	1	-
5	Waltham Abbey Cheshunt H	8480	7785	8	1	-	1 -		2 -	-	-	-	-	-		-		-
150:1	Stratford	882	38606	21	15	7	1	-	_	_	-	_	1	_	-	1	-	
2	West Ham wHIIH -	4055	90347	110	69	19	5	-	13	2	2	-	1	4	-	-	-	5
8	East Ham www Leyton WwL	\$29 6 4372	10706 32450	24 37	27	3	5	-	3	-	2	_	-	-	-	-	-	1
ě	Walthamstow H -	6520	28869	46	15	5	6	-	1	-	1	-	1 -	1	1	1	5 -	_
187:1	Chigwell (part of) * H	11761	9659	ő	7	2	2	-	1	-	1	1	-	-	-	_	_	-
2	Epping (W, pt. of)* -	-	-	-	1	-	1		-	-	-	-	-	-	-	-	1	-
189:1	Romford (part of) * W	6730 8493	8411 7645	8	1 3	1	1	-	-	-	-	-	-	-	-	-	1	-
2				. 0	11 3			-					-	-				

The parts of sub-district, except the parishes of Asistead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstons sub-district; except the parishes of Asistead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstons sub-district; 39:3. Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Browney sub-district, except the parish of Esher (pop. 1993); 41:1, Browney sub-district, except the parish of Nockhold (pop. 1818); 41:2. Chisicaurst sub-district, except the parish of Chelsheld (pop. 187); 135:1, the parish of Nockhold sub-district, except the parish of Theyson Bois (pop. 875); 139:1, the parish of Nockhold sub-district, except the parish of Theyson Bois (pop. 875); 139:1, the parish of Nockhold sub-district, except the parish of Theyson Bois (pop. 875); 139:1, the parish of Nockhold sub-district, except the parish of Theyson Bois (pop. 875); 149:1, the parish of Nockhold sub-district, except the parish of Theyson Bois (pop. 875); 149:1, the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the parish of Nockhold sub-district, except the Parish of Nockhold sub-district, except the Parish of Nockhold sub-district, except the Parish of Nockhold sub-district, except the Parish of Nockhold sub-district, except the Parish of Nockhold sub-district, except the Parish of Nockhold sub-district, except the Parish of Nockhold sub-district, except the Parish of Nockhold sub-district, except the Parish of Nockhold sub-district, except the Parish of Nockhold sub-district, except the Parish of No

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 25th October, 1890.

100	Area			L RATE			The Da	ATHS	regi	stered	in t	he W	eek i	nelud	e	
GREATER	in Acres,	Estimated		0 living.	DEATHS	Deat	hs of]	Death	s fro	m			Public 10118.
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlot Fever.	Diphtheria.	Whooping-	Fever.	Diarrhose.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
GREATER LONDON	448,334	5,758,500	18:7	2.7	2061	535	457	-	105	32	33	31	21	68	65	405
INNER LONDON - OUTER RING -	77,410 370,924	4,421,661 1,336,839	19·5 16·1	2.8	1649 412	429 106	50 107		70 35	29	23 10	28	16	55 13	50 15	381 24

Note.—The area of Greater London is 448,834 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8 .- Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,320,475 Persons.

	POPULATION					ANNUAL	Di	EATHS	FROM I	PRIN	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETUR Week endi		BIRTHS.	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhogal Diseases.
CALCUTTA	433,219	September	13		198	23.8	-	_	_	_	1	73	29†
BOMBAY	773.196	33	30	355	381	21.4	-	1	9	9	P	112	31
MADRAS	398,777	· ·	12	459	512	66.7	1	9	P	9	9	126	157+
PARIS	2,260,945	October	18	934	915	21.1		. 9	2	28*	7	20	82
BRUSSELS	477,288		18	180	183	19.9	-		-	-	1	1	24
with 8 Faubourgs.)	400 000		18	221	131	16.8		-					
ROTTERDAM -	406,302 203,486	23	18	109	79	20.1		1	-	3	1	4	-
THE HAGUE -	156,497	19	18	85	63	20.9		6	_	_	1	1	2
		3)			-								
COPENHAGEN -	312,387	1)	18	216	114	19.0	-	2	2	4	2	.1	. 12
STOCKHOLM -	236,350	33	11	119	87	19.1	-	-	5	2*	3	3	12
CHRISTIANIA -	143,300	32	18	39	59	21.4	-	***	3	8	-	1	5
ST. PHTERSBURG	924,466	93	11	-	347	19.6	6	4	15	5	- 1	9	30
Berlin	1,547,533	43	4	810	555	18.6	-	1	8	35	14	6	79
HAMBURG(State)	591,647	33	11	394	200	17.6	-	1	6	6*	1	4	14
DRESDEE	269.250	**	11	131	87 .	16.8	-	2	2	6*	- 1	-	9
BRESLAU	324 400	22	18		***		-	-	-	~	-	-	-
MUNICH	298,000	33	18	-	124	21.6	-	-	1	5*	1	1	26
VIBNIA	822,176	33	18	442	303	19.2	1	3	2	6	. 1	4	31
PRAGUE	814,425	3)	18	-	124	20.6-	-	1	4	4	-	1	3
BUDA-PESTE -	463,017	'n	11	-		-	-	-	-	-	- 1	-	
TRIESTE	160,092	23	18	66	66	21.4	-		-	2*	1		5
Rome	417,392 }	September	20 27	202 20 2	173 143	18.2	1 -	_	1	2 3	_	16‡ 10‡	25 15
TURIS (10 days)	314.827	91	10	223	153	17.7	-		-	2.	-	3	23
VENICE	156,800	October	4	67	73	24.3	9	3		1		-	6
CAIRO	374,838	September	25	377	303	42.0	-	-	-	1	4	14	120
ALEXANDRIA -	231,396	A) 1	25	172	157	35.3	-		~	. 3*		3	49
NEW YORK -	1,617.997	October	4	_	65)	20.6	_	3	1	12	7	8-	70
BROOKLYS -	871,852	2)	4	-	320	19.0	-	1	2	6	9	4	21
PHILADELPHIA -	1,064,277		4	-	327	16.0	-	_	5	7	2	12	19
BALTIMORE -	500,343	**	4	- 1	167	17.4	-	-	1	3	5	11	8
NEW ORLEANS -	254,000	September	27	-		-	-	-	-		-	-	-

Including deaths from croup.
 Including 3 deaths from cholera in Calcutta, and 36 in Madras.
 Including 7 and 3 deaths respectively from malarial fever.

TABLE 9 .- METECROLOGICAL OBSERVATIONS taken at the HOVAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 25TH OCTOBER, 1890. [Under the Superintendence of the Astronomer Royal.]

2.0 0.0 0.0 0.0 The reading of the barometer increased from 29°38 in. at the beginning of the weak to 39°38 m. by noon on the 22nd; and decreased to 29°38 in. by the end of the week. barometer is 159 feet above the mean level of the sea; no With the corrected mean reading the mean daily value of temperature of the air temperature and degree of humidity are deduced bulb thermometers by Glaisher's Hygro-The average temperature of the air is that derived from a discussion of the photographic The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jettles of the Foreign Cattle Market at Deption, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London. The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show The results of all the meteorological observations are to be understood as applying to the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are of the photographic records made during the twenty years ending 1873 for the barometer, and of the dry bulb thermometer is combined the corrected mean of the readings of the maximum records made at Greenwich during the 20 years ending 1868, and that of horizontal movement converted into mean daily values by the application of corrections deduced from a discussion positive; N. negative; w. weak; m. moderate; s. strong; the columns 9 and 25 it will be borne in mind that + indicates "higher," in a Gauge whose is derived from Thomson's self-registering Electrometer. Sum 0.45 in. 01.0 26 of the air from a discussion of the anemometric records for the 16 years ending 1875. Average of 16 Years. Miles. -201 -164 83 34 Sum -363 Robinson's. Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. Horizontal Movement to of the Air Miles. Sum 1514 24 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers. Mean of 24 hourly obs. 1bs. 0.0 during the twenty years ending 1868 for the thermometers. 1.0 23 Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. Least. 0.0 0.0 lbs. from the mean daily values of the dry and wet 0.3 6.0 est. and minimum thermometers, forming t (column 8). The mean daily dew point Osler's. WSW. NW. civil day, or from midnight to midnight. WSW.& SW. SE. & SSW WNS.WNZ WSW. NNW. NNW. General Direction. The height of the cistern of the thermometers, . 23 "lower," than the average. The record of Electricity symbols employed are:-F. SW.& WSW. Calm & NE. WSW. &NW WNW. R NNW. NNW. E. & SE. NNW. A.M. Of the Water of the Thames at Deptford. metrical Tables. 51.5 0.19 9.67 20.8 LOW-2.09 est. 18 In reading v. variable. CEMPERATURE. High-52.4 52.6 52.5 52.1 52.2 est. 0 Lowest on the Grass. 48.4 30.2 8.98 28.4 16 Very variable High-est in Sun's Rays. 2.09 73.0 74.0 4.09 15 midity (Satu-ration equals with 22 39 85 14 GENERAL REMARKS. fine fine Difference between the Air Temperature and Dew Point Temperature. 6.9 0.0 13 Overeast with rain in morning; a mounts of cloud atterwards. very rain 9.01 8.7 8.9 8.07 7.2 10.1 and est. 0 Overcast with frequariable afterwards. 1.1 generally. Generally cloud Of the Dew 45.8 1.27 35.4 10 43. Overcast, Overcast Overcast. 8.0 8.4 6.0 6 ì 1 1 + TEMPERATURE. 0.87 1.9 78.5 48.5 Registered Sun above Sunshine, Horizon, in hours, in hours. 00 2.01 2.01 0.01 8.01 70.T 8.01 Of the Air. Daily 11.5 13.5 16.4 1.01 Sunshine, Sum 8.8 0.0 0.0 8.0 2.27 13.5 6.0% 6.7% LOW-37.2 14.3 2.85 78.5 est. 9 w. P. till afternoon: High-54.1 9.89 9.99 53.6 est. P. in morning; afterwards. 54 (For explanation of symbols, see Note.) W. P. throughout rected and re-duced to \$2° Fahren-heit). ELECTRICITY. 30.561 200.08 29.471 30.042 w. P. generally in. W. P. W. P. W. P. of the Moon. FirstQr. W. P. 75 19 24 6 20 21 22 MONTE AND OCTOBER. 1890. No. of Col. OCTOBER. VEDNESDAT DATE. DAY. MEANE THURS. TUESDAT TUBB. WED. MONDAY SUNDAY Mon. FRIDAR SUN. FRI.

OFFICIAL COPY,

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 44. 1890. Vol. LI.] WEEK ENDING SATURDAY, NOVEMBER 1. [Price 12d.

General Register Office, Somerset House, 3rd November, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 22·1 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Week	s ending		ince the partial ?	111	Weeks	ending	
Towns.	Oct. Oct. 11. 18.		Nov.	Towns. Towns.	Oct. 11.	Oct. 18.	Oet. 25.	Nov.
Birkenhead	25.3 23.3	3 28 3 2	24.3	Liverpool	21.7	22.0	20.6	23.7
Birmingham	20.3 16.	19.9 1	18.6		17.4			
Blackburn -	32.9 26.0	3 25.7 2	27.4		29.0			
Bolton -	22.5 24:	23.0 2	26.6	Newcastle-on-Tyne				
Bradford -	25.6 22.4	5 20.8 1	19.3	Norwich			18.6	
Brighton .	16.9 17.3	14.8 2	22.3	Nottingham -			15.2	
Bristol -	14.6 19.8	15.3 1	5.3	Oldham			19.9	
Cardiff -	25.4 20.	29.9 2	25.8	Plymouth			21.8	
Derby -	12.4 19	22.7 1	14.5	Portsmouth -	18.2	15.7	18.6	24.8
Halifax -	23.5 21.0	22.2 2	29.2		24.3		1	
Huddersfield	19.4 18:	3 13.3 1	19.4	Salford	22.8	-		
Hull	17.8 18.0	23.4 1	19.0	Sheffield -	21.1	24.9	25.2	24.1
Leeds -	22.9 19.	19.1 2	20.9	Sunderland -			27.5	
Leicester -	19.6 19.9	0 15.2 1	19.9	Wolverhampton -	21.9	23 · 1	15.6	20.0

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1·1 in London, 1·3 in Brighton, in Halifax, and in Cardiff, 1·4 in Oldham, 1·7 in Bradford, and 1·9 in Manchester; from scarlet fever, 1·0 in Leicester and in Preston, 1·1 in Portsmouth, 1·3 in Sheffield, 1·5 in Liverpool and in Birkenhead, and 1·9 in Halifax; from whooping-cough, 1·1 in Huddersfield, and 1·6 in Norwich; from "fever", 1·1 in Salford and 1·3 in Blackburn; and from diarrhæa, 3·1 in Cardiff, 3·6 in Bolton, and 5·5 in Preston. The 45 deaths from diphtheria included 26 in London, 5 in Liverpool, 5 in Salford, and 2 in Manchester. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2295 births and 1816 deaths were registered. Allowing for increase of population, the births were 587 below, while the deaths exceeded by 171, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20.5 and 19.5 in the preceding two weeks, rose again last week to 21.4, and was higher than the mortality in any week of this year since the beginning of March. During the first five weeks of the current quarter the death-rate averaged 19.1 per 1000, exceeding by 0.4 per 1000 the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 64310.-5. 635.-11/90. Wt.

The 1816 deaths included 95 from measles, 16 from scarlet fever, 26 from diphtheria, 19 from whooping-cough, 26 from enteric fever, 43 from diarrhoea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or from cholera; thus, 225 deaths were referred to these diseases, exceeding

by 27 the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 5; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had steadily increased in the preceding five weeks from 22 to 70, further rose last week to 95, exceeding the corrected average by 55; 34 belonged to the East and 47 (including 15 which belonged to Camberwell) to the South groups of sanitary areas. The fatal cases of scarlet fever, which had numbered 20 and 29 in the preceding two weeks, declined last week to 16, being less than one third of the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 2110 scarlet-fever patients at the end of last week, the numbers on the preceding ten Saturdays having increased from 1427 to 1964; 247 cases were admitted during the week, against 208 and 203 in the preceding two weeks. The deaths from diphtheria, which had been 41 and 23 in the preceding two weeks, increased again last week to 26, and exceeded the corrected average by 5. The 19 deaths from whooping-cough were fewer than the numbers recorded in the last three weeks, and were 7 below the corrected average. The 43 deaths from diarrhaa showed a further decrease, though still in excess of the corrected average; 39 were of children under one year of age. The cause of death of an infant was certified as "acute dengue, 21 days, choleraic diarrhaa,"

The deaths attributed to enteric fever, which had been 21 and 15 in the preceding two weeks, increased last week to 26, and exceeded the number recorded in any previous week of this year; they were, however, one below the corrected average. The Metropolitan Asylum Hospitals contained 179 cases of enteric fever, and one of typhus, on Saturday last; 25 cases of enteric fever were admitted

during the week, against 24 and 23 in the previous two weeks.

Two deaths of adults were certified to have resulted from "influenza" (in one

case described as "Russian").

The deaths referred to diseases of the respiratory organs, which had increased in the preceding three weeks from 197 to 417, further rose last week to 450, exceeding the corrected average by 45.

The deaths of two widows were registered (one of whom resided in Kensington and one in Spitalfields) whose ages were stated to be 100 years and 107 years

respectively.

Different forms of violence caused 57 deaths, concerning all but 3 of which inquests were held. Of these 57 deaths, 6 were cases of suicide, and 4 of murder, while the remaining 47 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 8 by burns or scalds, one by poison, 4 by drowning, and 9 of infants aged under one year by suffocation.

GREATER LONDON.

In Greater London 3052 births and 2239 deaths were registered, corresponding to annual rates of 27.6 and 20.3 per 1000 of the estimated population. In the Outer Ring 47 deaths were referred to measles, 14 to diphtheria, 9 to diarrhea, and 6 to scarlet fever. The deaths from measles included 13 in West Ham, 11 in Brentford, and 4 in Mortlake sub-districts. Seven deaths from diphtheria were recorded in the district of West Ham.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.64 ins.; the lowest reading was 29.21 ins. on Sunday at noon, and the highest 29.95 ins. on Tuesday evening. The mean temperature of the air was 43.6, and 4.3 below the average in the corresponding weeks of the 20 years ending 1868. The mean was far below the average on the first three days of the week, the deficiency on Tuesday amounting to 16.8; whereas on the last four days the mean showed an excess. The general direction of the wind was Westerly, and the horizontal movement of the air averaged 12.6 miles per hour, which was 1.2 miles above the average in the corresponding weeks of 16 years. Rain fell on three days of the week, to the aggregate amount of 0.23 of an inch. The duration of registered bright sunshine in the week was 12.6 hours, against 22.5 hours at Glynde Place, Lewes.

. See note on first page of this Return.

TABLE 1.-BIRTHS, DEATHS, and METROROLOGY IN 28 GREET TOWNS, during the Week ending 1st November 1890.

-	-		-			-								_																	
	CITIES	AND BOROUGHS,		Cols.	- 28 Towns.	LONDON.	FORTSMOUTH.	NORWICH.	BRISTOL.	WOLVEBHAMPTON.	BIRMINGHAM.	LEICESTER.	DERRY.	BIRKENHEAD.	LIVERPOOL.	ROLTON.	MANCHESTER.	SALFORD.	BLACKBURK.	PRESTON.	HUDDERSFIRED.	On the second	LEEDS.	SHEFFIELD.	HOLL.	SUNDERLAND.	IN BW CASTLE.	CARDIFF.	EDINBURGH.	GLABGOW.	DUBLIE.
RAIMPALL	400	Centi-	uj	24.	1.40	82.0	1.20	- 6	1.01	0.03	1	1 0	70.T	1	1.88	1	,*	1 1		8			7.17	1	2.51	1	1.80	1	5.26	1	1.88
A A		Inches.	uj	23.	0.55	0.23	62.0	1 66.0	0.45	0.52	1	1 9	04.0	1	\$4.0	1	1	8 1		8		-	0.47	3	18.0		0.75	1	20.2		\$2.0
AIR.	Mean.	.ebargit	Cen	22.	84.9	6.44	71.7	10.00	8.58	02.9	1	1 1	201		1.89	1	1	1 1	1	1	1 1	1	11.9	,	2.18	1	2.11	206.	6.20		7.78
HI 40	Me	.tiadnar	de'i	21.	44.2	9.89	6.45	- 48.9	6.9	6.17	1		B 75	1	6.3	1	1	,	, ,	1	1		0.8	1	F. 7		7.17	1	43.7		98.0
TEMPERATURE OF THE AIR.	.3	Lower	nheit.	20.	20.4	24.7	28.0	0.28	0.18	52.6	1	1	70.4		84.3	,			1 1	1	1		9.87	1	0.08		30.0	1	29.2		32.6
DEMPE	-18	Highe	Fahrenheit.	19.	61.5	6.12		1 .19		26.3	1		9.70	. 1	8 2.42	t	,		1 1	1			55.4		8 0.99		52.0 3	1	2 2.99		67.0 3
PETOMPHE	Cathe	from seases in ls. 6-12.	Dia	18.	8.8	7.7		8.8		9.0	2.1	4 0		3.0		0.0	7.9	3.6	0 61	6.9	1.7	-	9.8	9.0	1.7 5			80.00	2.0 2		2.4 5
Aumual Rate per 1006,	Week's Death	IIA mo	-	17.	22.1	21.4	24.8	25.8	15.3	0.08	9.81	19.81	14.5		7.83.2			29.1			19.4		5.06		0.61		0.	90		0.73	
	,diss	Uncertification of De	. Car	16.	98 2	23 5	1 1	01 -	101	1	10 1		4 m	61		00	10. 00 0	4 -					23 1		-		01 01	52		20 2	
,)		Deaths is Public roitutiten	1	15.	089	395	9	1 -	10	00	-	2 0	70	9	4	9	41	16	5 4	4	10 x	9	60 4		14	4	13	4	19 2		_
1:		anU tasup	uj	14	260	119	9	1 00	4	00	19	67 4	F 63	1 10	13	09	10	00 %	0 00	00		-1	00 0	2 00	10	00	20	91	۵.	a.	-
nde		·3onalo	IA	18.	124	22	03	1 -	F0 1	-	6	c	7 -	-	11	-	10	₹ C	ij 63	1	1 0	0	1 1	2 00	10	1	00		10	0	20
The Dratme registered in the Week include		.Asofirs.	101	12.	143	£ 1	63	e3 -	1	H	Lo :	- 1	0 1	1	9	00	10	₹ H	2 03	11	1 1	4	00 4	# 1-	9	67	20	1-	4	10	10
ne We		.1940	Ee	11.	58	26	-	1 -	-	1	1 ,		٠ ،	1	₹ 1	-	63	10 1	1 63	1	1 -	-	Į 1	5 03	7	г	1	-		40	9
red 125 t	from	pooping-	AA	10.	43	19	1	eo 1	1	ı	-	1 -	٠ ،	7	4	1	9	-	1 1	1	्रा :	1	1 -	-	3	1	7	1_	60	00	00
egister	Deaths from	phtheris.	DI	3	45	26	-	- 1	Н	1	7	1	1 1	1	13	1	63	10	1 1	1	1	1	1 1	- 1	-1	ı	~	-	13	20	1
ATME		fever.	Bei	8	9/	16	। es	1 1	1	1	4	eo -	- I	0.0	18		7.0	н.	ı –	61		2	e4 1	-1 oc	1	Ġ1	1			0	1
he Dz		.esles.	N		159	73 63	1		1 63	1	9	07 r	٠ ا	G1	00	-	14	Çĩ -	4 1	ı	1 0	73	00 -	f 12)	ı	1	ಣ	67	4	et
F		.xoq-[[#c	ne	00	l .	1 1	1	1 1	1	1	ŧ	1	1	1 1	ı	1	1	1	1 1		1	1	1	1 1	1	3	1	1		1	1
	0	rsons sge 0 Years 1 upwards	Per 8	5.	921	448	14	16	18	10	34	13	10	1	38	11	43	17	1 6	16	H	15	12	2 22	64	9	15	7	22	20	11
	Deaths	Year of Age.	ıjul	*	1030	413	12	16	13 5	9	37	21	18	16	89	18	47	31	42 2	24	10	-	29	40	13	14	0.7	18	27	47	37
during	nding 1890.	EATHS.		e3	4118	1816	89	45	689	35	165	520	27	49	270	620	231	112	22 25	64	55	. 40	68	154	78	46	23	83	105	244	171
Registered during	the Week ending 1st Nov., 1890.	BIRTHS, DEATHS.		2,	5378	2295	8 83	40 84	131	20	242	97	121	65	313	10	832	136	69	22	323	-	104	241	130	22	122	00	142	318	134
Reg		BIR																										wanders.	_		_
	POPULATION OStimated	to the middle of the Year 1890.*		1.	9,715,559	4,421,661	142,952	95,352	232,248	83,406	461,865	154,344	244,909	105,049	613,463	115,846	879,437	242,509	123,553	105,163	04,253	£2,03	240,515	832.837	118,833	186,606	162,987	210.711	271,135	580,208	\$58,082
-			-	Cols.		•			1	KOL	1	•		•	•		•		•	•	. 0				•	•		•	4	٠	1
	CITIES	AND BORUUGHS.		2	28 TOWNS	- NOUNO	SRIGHTON -	NORWICE .	PLYMOUTH .	WOLVERHAMPTON	BIRMINGHAM	BICESTER -	NOTTINGHAM	BIRKENHEAD	LIVERPOOL .	SOLTON	MANCHESTER	SALFORD .	BLACKBURM -	PRESTON .	HUDDERSTIELD		BRADFORD -	SHEFFIELD .	HULL	SUNDERLAND	NEWCASTLE .	- AEDIEF	GHINKURGH -	FLASGOW .	DUBLIN

lands 2. LONDON. -Births and Deaths Registered in the FORTY-FOURTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2706	2618	2896	2623	2745	2695	2556	2593	2373	2623	2881·9	2295
	1398	1347	1441	1310	1383	1410	1322	1301	1204	1316	1458·2	1155
	1368	1271	1455	1313	1362	1285	1234	1292	1169	1307	1423·7	1140
TOTAL Deaths Males Females	1513	1645	1502	1440	1503	1483	1332	1735	1613	1317	1644·7	1816
	768	849	762	720	789	743	686	896	820	673	840·3	908
	745	796	740	720	714	740	646	839	7 93	644	804·4	908

[•] The numbers in this column are the average weekly numbers in the forty-fourth weeks of the ten years 1880-80, raised by 9'046 per cent. for increase of population.

	TABLI	E 3. LONDON.—B	IRTHS	, Dea	THS,	and B	Іете	DROLO	GY in	the !	Last '	THIRT	EEN-	WEEK	.5.
			Aug.	Aug.	Aug. 23.	Aug.	Sept.	Sept.	Sept.	Sept. 27.	Oct.	Oct. 11.	Oct. 18.	Oct. 25.	Nov.
7	TOTAL	Births	2176	2527	2487	2614	2469	2539	2355	2458	2433	2409	2412	2512	2295
7	TOTAL	Deaths	1594	1751	1629	1659	1514	1410	1375	1458	1413	1472	1741	1649	1816
	ges at Death	0—20 years - 20—40 ,, - 40—60 ,, - 60—80 ,, - 80 years & upwards	915 171 225 230 53	1019 169 263 246 54	964 148 233 235 49	911 190 265 234 59	796 177 240 245 56	687 183 238 256 46	667 200 214 232 62	740 182 286 256 44	726 170 223 253 41	747 180 240 254 51	870 204 316 281 70	885 200 264 296 51	826 206 333 372 76
	9 5-	Under 1 year 1-5 5-20	549 294 72	635 294 90	603 292 69	525 282 104	459 217 90	395 217 75	376 227 64	429 207 104	433 193 100	436 213 98	491 260 119	429 306 100	413 302 111
D	97 97 27	rom Small-pox ,, Measles ,, Scarlet fever ,, Diphtheria ,, Whooping-cough	95 17 22 37	80 27 15 89	73 16 20 39	60 24 26 39	56 18 16 46	39 18 18 35	33 14 35 38	1 22 16 38 29	30 20 28 18	38 20 38 29	59 20 41 30	70 29 23 28	95 16 26 19
	39 39 39 39 39	Typhus Enteric fever - SimpleContafever Diarrhæa and Dysentery -	11 1 176	16 1 262	11 255	17 -	18 1 128	18	21 - 94	18 2 86	24 1 105	24 1 94	21 2 75	15 1 55	26 - 43
	22	" Cholera " all the above- mentioned Diseases	363	450	12 426	353	288	251	238	218	229	2 246	250	221	225
	23 ·	, Dis. of Respira- tory System } , Phthisis - , Dis. of Circula- tory System }	197 126 119	208 129 113	203 119 116	184 167 100	180 139 120	210 136 114	187 157 136	222 130 104	262 123 100	197 147 123	340 204 144	417 139 151	450 189 156
	nauest	Deaths Cases	50 103 373	75 128 403	54 105 343	57 105 364	54 98 391	55 109 360	43 83 360	52 103 377	61 107 334	49 113 346	52 123 397	50 114 381	57 119 395
1	Mean	of Highest readings - of Lowest readings -	62.6 73.8 53.2	73.2	59·0 69·0 51·8	54·4 66·5 46·0	58·4 71·0 48·4	73.2	71.7	69.2	56·7 66·3 49·3	54·3 64·1 45·5	47·7 56·5 39·8	43·2 54·4 43·2	43.6 50.4 36.3
1	Ra n-fal	ty of the Air	77 0.60 30.5	1	-	80 0·67 36·5	1	1			76 00·0 36·9	82 0·33 36·5	82 0·20 16·0	83 0·45 8·8	
1'	ite grater	(1110010)							-		1	-		00	120

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippmeott, Esq., Bristol; r. smapson, esq., Wrottesley, Wolverhaupton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. hartup, Esq., F.R.A.S., F.R.A.S., F.R.A.S., H.O., Pikington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Eradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.O.P., F.R.G.S., Medical Officer of Health, Sunnerland; and W.m., Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the FORTY-FOURTH Week of the Year 1890.

				Fo	RTY	-FO	URI	H	Wee	k of the Year 1890.									
	the	Se	In	the	Wee	k end	ding ber	1890.			tor the	Sa	turd	n the	Wee	ek e	ding	189.)	
	100	-				ersor			-					aths	of Po	ernot	-		-
	Averages sks of the 1880-89.				ne A		- 1	-			Averages sks of the I 1880-89.*			th	16 A	. 1	. 1	-	-1
CAUSES OF DEATH.	8 of 80-8			nder 20.		r 40.	r 60.	r 80,	Mille	CAUSES OF DEATH.	880-4		U	nder 20.		9r 40	er 60	10F 411	. 0.8
A COES OF DUALTE	oted A Week	G ES.		1		under	under	under				AGES.	1	T	-	under	unde	unde	
	9	L AG		.0.	20.	and	and	and	X cars		Corrected 44th Wed		-1.	. p.	- 10	\$nd	1111	wind.	K eart
	Corre 44th	ALL	0-1.	1	5	2	=	960	20		54	ALL		1-10.	11	25	3		9
ALL CAUSES	1644.7	1816	413	302	111	206	836	372	76	Discours of Orseans of	1				-	-			
ALL CAUCATO			-	_		-	-			Diseases of Organs of Special Sense †}	3.4	6	1	2	8	-	1	-	-
Small- Vaccinated; -	1.2		H		-		-	-		Diseases of Circulatory)	121.6	156	5	2	8	17	38	76	9
pox No Statement	1.1	-		-	-	-	-	-		System						_	-	_	-
Measles	39.6	95 16	10	81	6	-	-	-		Croup	14.6	11	1	7	8	4	41	70	.:
Searlet Fever Typhus	51.5	-		-	~		-		-	Bronchitis Pneumonis	243·4 107·1 6·3	275 122 8	94 84	48 35	8 2	15	22	72 13	18
Relapsing Fever †	0.0				-	-	-	-	-	Pleurisy - Other Diseases of Respi-	83.5	89	10	6	-	5	8	10	
Influenza	0·2 25·5	19	10	9			1	1		ratory System 5		-		_			_		
Whooping-cough Diphtheria	50.9	26	1	13	12	-	-	-	-	Dentition † Quinsy, Sore Throat † -	10.3	7	5	2	-	-	-	-	-
Simple Continued and \ Ill-defined Fever -	2.0				-	-	-	-	-	Quinsy, Sore Throat † - Enteritis Peritonitis	8.7	14	8	1	2	1 2	8	1	-
Enteric Fever	26 8	26	-	-	4	17	5	-		Diseases of Liver Other Diseases of)	32·7 27·8	25 34	8	-	2	6	11	9 5	2
Cholera and Chol, Diarr.	0 3	43	33	6		-	2	2	H	Digestive System -}	210	-						_	
Diarrhea, Dysentery - Remittent Fevert	0.4	==	-	-	-	-	_	_		Diseases of Lymphatic)							2		
Hydrophobia	0.3		П	-	-	-	-	-		System & of Ductless {	2.5	6	-				2	4	
Glanders Cowpox and Effects of \	0.0		H			-				Discours of Walter			-			_			
Vaccination † 5	0.8	10	6	•		~				Diseases of Urinary System }	41.7	49		4	2	7	15	18	8
Venereal Affections - Erysipelas	10.3	8	2	1	-	1	2	1 8	1									Г	
Pyemia and Septicemia †	. 3.2	4	1	-			2	-		Diseases of Generative	5.8	8 2	-	-		2	4	2	-
Puerperal Fever Other Zymotic Diseases †	8.2	10	1	-	-	9	1	-		Accidents of Childbirth -	3.8	-	-	-		Ľ	-	-	-
Other Zymone Diseases					-	-		-	-	Diseases of Locomotive	9.1	9	1	-	5	1	1	1	-
Thrush Worms and other Para-	2 0	2	2	-	-	-	-	-	-				-	-			-	-	-
sitical Diseases	0.8		-	-	-	_	-		-	Diseases of Integumen- tary System}	5.1	6	1	-	-	2	2	1	-
Starvation, Want of	1'3	_																	
Breast-milk † }	2.8	5	-			-	2	3		VIOLENT DEATHS.									
Alcoholism		-		-	-	-	-	-	-	(Accident.)	70.0							0	
Rheumatic Fever, Rheumatism of Heart!	11.1	15	-	1	8	4	2	-	-	Fracture and Contusion Gunshot Wound	18.8	22	-	2	3	3 -	6	8	1 -
Rheumatism †	1.1	5	-	-	-	-	2	3	-	Cut, Stab Burn and Scald	0°2 4°4 1°5	8	1:	5	1	1	1	-	-
Gout Rickets †	3'4	2 2	1	- 2	,	-	-	2	-	Poison	3.3	4 9	1 - 9	-	2		2	-	-
Cancer	24.2	78	-	-	3	5	80	36	2	Otherwise	2.9	3	1 1	1	-	-	1	-	-
Tabes Mesenterica -	23.3	31	15	11	2	3	-	-	-	(17.00			1						
Tubercular Meningitis - Phthisis	21.7	25 189	8	10	19	81	69	13	-	(HOMICIDE.) Murder & Manslaughter	3'4	4	2	1	-	1	-	-	-
Scrofula, Tuberculosis -	15'4	21	7	6	2	3	-	8	-			1-	-		-	-	-		
Other Constitutional Diseases †	11 7	19	-	1	1	1	6	9	1	(SUIGIDE.)	0.9	3	1			1	2	-	
Prematura Dinit	85.9	85	25	1	1		-	-	-	Gunshot Wound Cut, Stab	2.4	-	1:	-	-	-	1 1 1	-	-
Premature Birth	1 9	- 50	1 -	-	1 -	-	-	-	-	Drowning		1 2	-	-	-	14	9	1 -	-
Congenital Malforma-	6.3	7	6	-	1	-	-	-	-	Otherwise	î·i	1 -	-	-	-	-	-	-	1-
Old Age	82.8	51	-	-	i -	-	-	17	34			-	1		-				
Apoplexy	43.5	42	1	1	-	1 1	12	24	5	(Execution.)	0.0	1 -	-	-	-		-		-
Epilepsy	6.4	10	-	1 -	4	3	2		-		-		-	-	-	-	1	-	-
Convulsions - Convulsions	42'6	84	27			-	-	-	-	OTHER CAUSES ! -	69.2	64	55	0	-	-	-	3	-
Other Diseases of Brain and Nervous System	80*4	85	4	20	3	5	20	23	4				1	-	1	1	1	1	i
									-	- 1000 00 second by 0									

The numbers in this column are the average weekly Deaths for the su years 1880-89, ransed by 9"045 per column are the average weekly Deaths for the subject were 1882-9 has been used.

f As the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered.

ractitioner, the case is returned under the heading "no statement."

§ The evidence at inquests is often insufficient to enable the Coroner to certify whather a violent death be the result of accident, murder, is all such cases are classed under "accident or negligence."

TABLE 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-rox, Measles, Scarle during the Week ending

1			1		15	7	(III)	D 12	MINT O	zagi nt	awad :	in the	a Wa	ak inc	ahmle		
- 1 1 A - 1					-		The	DKA	THS	return or the same of the same		-	We.		inge		1
	Enume-			Deat	he of		7			Deat	hs fr	om					0
REGISTRATION	rated Fopu-	° Eg	Hs.	H 2	eu rds.					ugh		Ver.	1		1	1 .	Public
SUB-DISTRICTS.	lation.	Вівтня	DEATES	under f Age.	aged	ń		Fover.	ia.	S60		(or Fever	con-	å		Cases,	in P
CARL SALES	1881.				Ars a	13-po	Jes.		ther	opin	aus.	rie	ple e	rhœ	Violence		3 2
	100	Total	Total	Xear	Fersons Years	Small-pox	Measle	Scarlet	Diphtheria	Whooping-sough	Typhus	Enteric (o	Simple c	Diarrhos	Viol	Inquest	Deaths
CANADA COMPANY AND THE CONTRACTOR OF THE PROPERTY AND THE CONTRACTOR OF THE CONTRACT	-				~				-				-		-		-
LONDON	3,815,704	2295	1816	413	448		95	16	26	19	-	28	-	43	57	119	398
WEST DISTRICTS	669,633	357	272 403	57	83	-	9 5	-5	8	,3 3	-	5 7	-	8 7	13	15	78
NORTH DISTRICTS	905,947	505 137	94	86	106		-	4	2	1	-	6	-	2	2	7	25
EAST DISTRICTS -	693,738	441	370	98	73	-	34	8	-6	4 8	-	4	-	6 20	11 23	83	103
SOUTH DISTRICTS AND)	1,265,148	855	654	161	146	_	47	1.	6	-		-			20	1	21
ASYLUMS OUTSIDE REGISTRA-		-	23	-	11		-	-	-	-	:	-		-			-
WEST DISTRICTS.	Anno	29	27	7	12		1	-		_	-			-	_	1	8
St. Mary Paddington WHH G.J. a.W.M. St. John Paddington H - G.J.	69383 37330	7	22 38	8	7		-	-	-	1	 	: 1	-	1	1	1 4	8
Kensington Town Ww - W.M. Brompton H - W.M. &C.	120141 48910	65	13	8	17		-	,	-	-	-	-	1	-	-	-	3
W.M.	7599 64310	43	22 49	6	7	-	2	- 5	1	- 1		-	-	1 2	2	3	2
St. Paul Hammersmith H W.M. & G.J. Fulham W.W. M. & C. C.	15049	62	7	12	9	-		-	1	-	-	3	-	1	-	1	
Chelsea Kensal Town Chelsea North #HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	42683 30396	24 23	23 10	3	9	-	3	-	-	-	2	1	-	1	-	2	10
May Rair W (t.J.)	80853 59220	6 26	11 12	1 -	5	-		-	1	1 -		-		-	ī	i	5
Belgrave WHHH- St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 24379	16	11 10	3 2	5	-	1	-	-	-	26 -	-		-	ī	1	3
Rt. James Westminster WHH N.R.&G.J.	29941 18608	9	5 8	3	1	-	1	-	-	-	-	-	-	-	-	-	1
St. Anne Soho HHHHHH N.R. NORTH DISTRICTS.	10000																
ALLEN TO THE OWNER OF THE PARTY	26759 11371	3	18	2 -	514	-2	-	-	-	1		-	- "		-	.1	11
All Souls Marylebone HHHHH W.M. Cotory Marylebone WH G.J. & W.M. Cotory Marylebone WH G.J. & W.M. Cotory Marylebone HHHH G.J. & W.M. Christohurch Marylebone HH - W.M. Christohurch Marylebone H - W.M.	24309 21175	7 21 23	10 8 11	1 2 2	3	-	-		-	-	-	-	-	-		1	3 2
	83700 30633	13	12	1	4	-	-	-	-	-					-	2	-
Hamnatand WanHHHH - N.R. & W M.	45452 89115	33 15	10	3	3	-	-	2	3	1	-	2	-	-	3	2	10
Regent's Park Panoras H W.M. Pottenham-court wHHHH N.R.&W.M. Gray's Inn Lane HHH - N.R. N.R.	27729 80247	8 17	22 12	1	6 3	-			-	-		-	-	-	-	1 -	9
Camden Town WH N.R.	34369 17311	19	20 15	4 2	5	-	-	-	1 -	1		1	-		1	1 2	8
Kentish Town W N.R. Upper Holloway WWWHH N.R.	87487 67946	39	42	8 8	11	-	5	-	1	-			-	ı	1 2	3	12
slington South-west H N.R. slington South-east N.R.	100976 61895	30	25 18	9.8	4	-		-	-	-	-	-		3	1	1.4	1.4
Highbury H N.R.	52048 22781	21	22 8	6	5 2	-	_	-	-	-		1 -	-	-	1	1	-
Stamford Hill E.L. West Hackney H N.R.	9277 87610	10 26	8	8	1 -	-	-	-	ĩ	-	-	-	-		1	-	-
Hackney WwwvH - E.L. N.R. South Hackney E.L.	76911 89389	55 20	18	5	9	-	-	2 -	1 -	-	:1	ī	-	3 -	2	ī	14
CENTRAL DISTRICTS.	16681	6			_		-										
St. Giles South WH N.R. St. Giles North H N.R.	14864 13837	18	5 4	2	2	-	-		-	1	-	-	-	- 1		-	2
Martin-in-the-Fields HH N R. & C.	17509 7515	6 5	5	1	1	-	-	-	-	-	-	-	-	-	1	3	1
3t. Mary-le-Strand H N.R. 3t. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	8559	2	7	-	1 3	-	-	1	-	-	-	1	-	-	1.	1	5
St Geo. the Martyr HHHHHHH N.R.	18371 10706	6 7	9	1	2	-	-	-	1	-	-	1	1 -	-	-	-	6
Satfron Hill H N.R.	6588 17516	ь 11	11	3 3	1 3	-	-	-	-	-	-	-	-	1		1	-
Amwell Clerkenwell N.R. Pentonville N.R.	19231 14773	18	8 3	2	3	-	-	-	-	-		1 1				1	-
Goswell-street N.R. Bid-street H - N.R. N.R. N.R. N.R.	17508	10 8	5 7	1:	8	-	-	-	1	-	-	î -	-	-		1	-
Whitegroun-street - N.R.	18628 9217 7488	15 4 4	2	1 -	1	-	-	11	7	-	-		-	-	-	-	-
Holborn Union Workhouse, Mitcham w.	-	-	-		-	-	-	-	-	-	-	1 -	+	~	- 1		-
Cripplegate N.R.	11174 7193	6	2 7	-	2	-	-	. ~	-	-	-	-	-	-	-	-	7 -
St. Sepulchre H N.R. St. Bride W N.R. Allhallows Barking N.R.	3358 8395 (3 36 6	3 1	1	-	1	-	-		-		- :	1	-	-	-	1	. 5
Broad Street H N.R.	5352	i	î	1	-		-	-	-	-	-	-	-	-	-		-

NOTE—The Italie letters placed against the names of the sub-districts denote Publis Institutions situated instead and its W—Work house; H-Hospital; L-Lunatie Arjum; L^{*}—Private Lunatie Asjum in which paupors are received; w—Workhouse Establishmen receiving immates from other Districts than that in which it stands. The Koman expirate signify the Water Companies which supply are different auth-districts;—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsen; S. Southwark and Vauxhall; L. Lambeth; N. B. New River; H. L. Rast London; and K., the Kent Company.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHIEA, VIOLENCE, &c., registered in each Sub-district Saturday, 1st November, 1890.

Saturday, 1st November, 1890.						-	-				-		***				=	
					hand		Tha	DEA	THS P				Wee	K inci	ude	_		
REGISTRATION SUB-DISTRICTS.	Enume rated Popu- lation, 1881.	Total Births.	Total DEATHS.	Very of Age.	Persons aged 60 m	Small-pox.	Measles	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterie (or Typhoid) Fever.	Simple con-	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Peat:
EAST DISTRICTS. Shoredited South HL* - N.R. Hoxton New Town 10 - N.R. Hoxton Old Town - N.R. Haggerston WH - N.R. & E.L.	22843 29937 28036 46275	4 19 14 34	8 13 11 20	- 185	1 7 2 6	1141	1 1 -	11-1-1	1		1111	1	1111	- 1	1	1 2 1	5 7	1111
Bethnal Green North H - E.L. Bethnal Green East WHL* - E.L.	51157 34399 41405	20 24 25	26 12 27	7 6 7	1 7		3 1 2	1	1.	1 -		-	111	3 1 1	1	3 -	17	1
pitalfields - E.L. & N.R. White End New Town W - E.L. Whitechapel Church H E.L. & N.R. Goodman's Fields - E.L. Aldgate - N.R. & E.L.	22585 15473 17490 9718 6102	17 20 13 2 4	6 17 17 2 1	4 3 1 1	1 2 2 -	1111		1	1		-	1		2 1 1 2 2	1 2 1 -	1 2 3 1 - 1	8 13 -	11111
St. George's North E.L. St. John, St. George East W - E.L.	88747 8410	87. 6	27 10	11 2	4	-	6	-	-	-	=	-	-	-	1.	. %	9	1
Shadwell H E.L. N.R. Ratcliff E.L. Limehouse E.L.	10395 16107 32041	7 8 20	15 7 15	9 2 4	1	-	1 2 4	=	-	1 -	-		1 - 1		3	3 1 1	6 -	-
Mile End Old Town West H - E.L. Mile End Old Town East WwwH- E.L.	37980 67653	26 10	12	6 7	3 11	-	- 2	1	I	-	-	-	-	-	-	1 4	11	-
Bow L* Bromley wwwH- Poplar WWH Browley wwWH- Browley wwwH- E.L. E.L.	87074 64359 55077	22 45 85	11 38 38	3 9 . 5	3 10 3		8		1 2	2	-	ī	1111	1 1 6	8	8	1 9 1	-
SOUTH DISTRICTS. Christchurch Southwark WH L. & 8.	13663 14999 21381 15953 21318 25672 59555 21623	8 8 10 17 12 20 27	8 5 11 13 12 9 29 11	3 1 1 3 6 3 8 4	3 1 1 2 2 3	first title	8 1 1 - 5		11111111	111		11111111	111111111	1 1 1 2	1	1 2 1	2 - 3 - 2 -	militari.
St. Olave WH S. & L. Leather Market S. & L. St. Mary Magdalen W - S. St. James Bermondsey - S. Rotherhithe WH S. & K.	11956 16300 15669 54682 36024	3 13 5 83 19	23 7 9 20 14	1 2 1 6 5	S - 2 5 3	11111	2 2 - 1		11111			-	11111	2	2	3	15	1111
Waterloo-road lat H - L. & S. Waterloo-road 2nd H - L. & S. Lambeth Church lat H - L. & S. Lambeth Church 2nd W W - L. & S. Kennington 1st - S. & L. Konnington 2nd - S. & L. Kinton w - L. & S. L. Kinton w - L. & S. L. Kinton w - L. & S. L. L. L. L. L. L. L.	15195 16351 19876 39859 45232 35632 62837 19017	10 13 11 29 31 21 38 17	6 7 15 25 25 15 29 4	1 3 2 7 3 5	\$ - \$ 8 5 6 8 2	i.i.i.i	2	- Historia	2	1	111111111	-	11111111	2 1 1 1	1	2 1 4 - 8	9 16	1 2 1
East Battersea	54675 52587 36380 28004 18235 25568	49 52 21 17 5 19	15 24 17 8 2 18	4 8 5 4 - 4	2 8 3 - 27	111111	1 1 22 1 1		1	1	11111	1		1	1 2	1 1 1 2	10	1
Dulwich	5590 59104 71089 50810	1 41 43 47	58 39 37	9 9 13	13 13 9	11.63	7 4 4	1		1		1 -	-	1 1 -	5 - 1	5 1 1	21 1	1 2
St. Paul Doptford & K. St. Nieholas Deptford K. Greenwich West H K. Greenwich East WHH K.	76752 7901 21972 24608	64 4 11 20	44 4 6 13	13	13 1 - 6	1111	4	1 .	1	1111	1111	1 -	-	3 -	2	1 2	1 4	2 - 1
Eltham H K. Lee H K. Lewisham WH K. ydenham H L.	5048 21559 19865 26076	2 4 18 9	1 6 8 8	1 1 1	3 3	1 1 1 1	1		1110	1111		1111			1-	1	3	1
Charlton H/f K. Woolwich Dockyard H K. Woolwich Arsonal HH K. Plumstead, West H K. Plumstead, East W K.	10930 17617 1904 14009 19241	5 7 17 9 29	11 9 4 21	3 5 1 8	1 1 1 2		4 2 - 1	11111	1111		(1)(1)		traft.	1	1 -	1	1	- 1 1
Hospital Ships and Camp, Dartford — Winchmore Hill Hospital Catprham Asylum Darenth Asylum Leavesden Asylum Esnetsed Asylum Cane Hill Asylum Hanwell Asylum	-	1 1 4 6 1 7 1 4 4	1 -4 3 4 4 1 3 3 3 -		2 1 3 2	1 1 1 1 1 1 1	11111111111	1	4 1 1 1 1 1 1	11111111	111111111					1	1 4 3 5 4 1 3 3 5 4 1 3 3 5 4 1 3 3 5 4 1 3 3 5 5 6 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 1 1 1 1 1

TABLE 6.—LONDON.—DUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASTLUMS).

AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 1st November, 1890

tegis-	-	Area				-			The I	PEATH	regis	tered i	a the	Week	inelud			
ration district		Acres, inclu-	Enume-			Dea	ths of				Death	s fron	1					
and	REGISTRATION	ding	rated Popu-	BIRTHS.	DEATHS	M Su di	ds.		1	1.	1	ugh.	1	1	1	-	Public ons.	
Sub-	SUB-DISTRICTS.	Tidal Water	lation,	120	EA	under of Age.	aged k upw			Searlet Fever.		Whooping-sough				Cases	Put	
istrict		and	1881.	B	A	20	2 S S	-DOX		t F	neri	ping		109.6	.901		e in	
bers.		Fore-				Infants Year	Persons Years	Small-pox.	Measles.	rle	Diphtheria.	1001	Fever.	Diarrhoss	Violence.	Inquest	Deaths in	
UOIS.		shore.				T I	Pe	200	×	Ses	Lig	I A	F. 6	i.a	Vic	Ing	D.	
LOI	NON-OUTER RING	370,924	950,957	757	423	107	93	-	47	8	14	3	3	9	9	23	33	I
2.03										-	-	-	-	A	-	-	-	-
50:1	Carshalton wL -	12228	21118	11	5	2	-	-	-	-	2	-	-	-	-	-	-	ı
2	Epsom (part of)* Wwn		10710	3	3	-	1	I-I	-	1	-		-	-	7	- 7	-	
37:1	Godstone (part of) * -	2754	1935	4	-	-	-	-	-	-	-	3 = .		7	-		-	
88:1	Croydon Ww L -	20851	101241	£7	25	4 .	- 1		1	-		-	-	. 2	2	5	. 2	
2	Mitcham w -	11697	17983	3	4		- 1	_	-		-	1		- 7		- 3	-	
59:1 2	Wimbledon HHH - Kingston WHH	3220 8549	15950 36354	6 23	10	2	3			-	-	1.		3		. [-	
8	Esher (part of) * -	6601	9231	4	1	-		-	-	-	-		-	-	-	~	-	
4	Hampton H	4573	18589	5	4	2	1	-		-	-		-	-	-		-	
10:1	Richmond WH	2272	21302	14	4	1	1	-	-	-	-	-	-	-	-	-	-	
2	Mortlake	2911	12331	9	8	2	2	-	4	-	-		-		-	-	-	
1]:1	Bromley(pt.of)*HEMH Chishrst(pt.of)* WHH	15669	81149	19	14	2	2 3	-	1	-	-	1	-	1	-	-100		
		14807	15844	23	7	3	3									117	-1	
2:1	Bexiey H - = ~ Dartford (Ww, pts. of)*	13437	24184	12	4 2	2	1	_	Ţ		-					-	2	
4:1	Sunbury w	11055	11688	3	4	_	1	_	_		_	2			1	2		
2	Staines W	13277	12089	8	3	-	2	-	-	-	-	-	-	-	-	-	-	
5:1	Hillingdon WHH -	6029	10802	6	6	2	2	-	_	-	-	-	-	-	-	-	1	
3	Uxbridge	6178	3225	4	2	-	2	-	-	-	-	-	-	-	-	1	-	
3	Hayes wHL	14587	11523	5	-	-	-	-	-	- }	-	-	-		-	-	-	
6: 1	Isleworth WHH	7008	32727	8	16	5	2	-	8	-	1	-	-	-	1	1	4	
2 3	Twickenham H Brentford HL	2477 4345	12479 27649	5 18	6 15	2	1 2	_	11		-				-	1	-	
4	Chiswick	1340	15975	13	4	1	-	-	-	1	-	-	-	1	-	-	-	
5	Acton wH	6083	22876	10	13	4	2	-	3	1	1	-	-	-	-	1	-	
7:1	Harrow H	13809	12796	7	3	-	-	-	-	-	1	-	-	-	-	-	-	
2	Edgware H	6994	3749	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
3 4	Willesden Hendon W	4983 8382	27453 10484	31	19 10	6 2	4		2	-				1	-		4	
7:1	Bushey	9381	BEZI	8	3	2		_			_	-					*	
2	Watford (W, pt. of)	-		-	-	-	-	-	-	-	-	-	-	_		-	-	
8 . 1	South Min.ms	15579	6391	1	3	1	2	-	-	-	-		-	-	-	-		
2	Barnet	£438	10092	3	3	-	1	-	2	-	-10	-	-	1	-	-	-	
3	Finchiey HL	4683	17615	11	7	5	-	-	1	-	-	-	-	-	-	-	-	
5 :	Hatfield (part of) * -	8306	588	-		-	-	-	-	-	-	1-	-	-	-	-	-	
8 1	Hornsey H	3039	37078 46456	33	18	8	3		-	1	-	-	1	-	1	8	-	-
3	Tottenham H Edmonton Ww -	4642 745 3	23468	54 16	29 6	5	9		-			1		1	1	4	3	
4	Enfield WH	12658	19104	21	14	5	2	-	1	-	-	-	2	-	1	1	1	
5	Waltham Abbey	11017	5866	2	8	-	-	-	3	-	-	-	-	-	-	-	-	
6	Cheshunt II	8480	1785	5	3	-	-		-	-	1	-	-	-	-	-	-	
86:1	Stratford - West Ham wHHH -	4055	38 60 6 903 4 7	85 123	69	6 19	1	-	12	-	-	-	-	-	-	-	-	1
8	East Ham wio	1206	10706	19	8	2	12	-	13	2	8 -	- 1		1	1	1 1	1	1
4	Leyton WwL -	4872	32430	45	28	7	7	-	-	-	1	1	-	-	1	3	8	
*	Waithamstow H -	e520	2886∌	85	12	2	8	-	-	E	3	-	-	2	-	-	1	1
7:1	Chigwell (part of) * H	11761	9669	8	S	-	2	-	1	-	-	-	-/	-	-	-	-	1
9:1	Epping (W, pt. of)* -		0411			-	-	-	-	-	-	-	-	-	-	-	-	1
2	Romford (part of) * W	6730 5493	3411 7645	3	1 5	1			-	-	-		-	-	-	-	-	-
8	Barking Town	4127	9208	11	5	8	-	-	-		1			ī				1

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Sing are actually 130: z. Epson auc-district, except the parisines of Asiatead and Headley (pop. 1235); 37:1, the parisines of Warlingham and Farley in Godstour sub-district; 32:3. Esher suc-district, except the parish of Esher (pop. 1933); 41:1, Broming suc-district, except the parisines of Cadnam and Knockholi (pop. 1818); 41:2, Ohisicururs sub-district, except the parish of Theydon Boic (pop. 247); 135: 1, the parish of Northaw in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Boic (pop. 345); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer King in 42: 2, Dartierd, 187: 2, Watford, and 187: 2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 1st November, 1890.

	Area			L RATE			The Da	4TH	regi	stered	l in t	he W	eek i	nolud	.0	
GREATER	Acres,	Estimated Population.		0 living.	DEATHS	Deat	ths of			1	Death	s from	na .			blie s.
LONDON, .	including tidal water and foreshore.	middle of 1890.	From All	From Diseases in Cols.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fover.	Diphtheria.	Whooping-	Fever.	Distribus.	Violence.	Deaths in Public nestitutions.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15:	16
BATER LONDON	449,334	5,758 500	20.3	2.8	2239	520	541	-	142	22	40	22	29	52	66	428
INNER LONDON - OUTER RING -	77,410 370,924	4,421,661 1,336,839	21·4 16·5	2·7 3·2	1816 423	413 107	413	-	95 47	16	26 14	19	26 3	43	57	395 33

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700-522 square miles, which is equivalent to the area of a circle having a radius of 14-933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

	POPULATION				ANNUAL	DE	RATHS	FROM	PRIN	ES.	ZYMO	
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS. of Stillborn.	DEATH- RATH per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
ALCUTTA	433,219	September 20		-	_		-	1 -		_	-	_
OMBAY	773,198	October 7	396	377	21.1	3	1	?	2	, p	126	21
ADBAS	398,777	September 19	362	433	56.4	_	3	9	- 5	5	125	119+
ARIS	2,260,945	October 25	895	914	20.1	_	10	5	23*	8	15	75
th 8 Faubourgs.)	477,288	b 25	218	186	20.3	1	-	-	-	1	5	26
MSTERDAM .	406,302	,, 25	235	162	20.7		3	- 1	. 3	2	2	-
OTTERDAM -	203,486	" 25	. 94	53	17.6	-	-	-	1	-	-	-
HR HAGUR -	156,497	, 25	72	68	22.6	-	6	-	-	1	1	-
OPENHAGEN -	312,387	25	194	107	17.9	-		4	3	3	1	9
TOCKHOLM -	236.350	,, 18	136	79	17.4	-		10	3*	. 1	4	3
HRISTIANIA -	143,300	,, 25	50	40	14.2	-	-	4	6		-	4
r. Petersburg	924,466	" 18	1 -	323	18.2	10	2	12	7	1	7	29
BERTIN	1,547,533	n 11	867	520	17.5	-	- 1	4	20	14	4	74
IAMBURG(State)	191,647	,, 13	396	230	20.3	-	-	2	8*		5	24
RESDEM	269.250	,, 18	157	99	19.1	-	1		2*	840	2	8
RESLAU	324 400	,, 25	209	145	23.6 .		1	14	6*	3	2	8
IUNICH	298,000	, 25	-	148	25.8	-	-	1	9*		2	40
INAMY	822,176	,, 25	419	281	17.8	-	3	2	8	· -	2	28
RAGUE	314,425	,, 25	-	119	19.7	-	- `	4	4		4	-
UDA-PRSTH -	463,017	,, 18	284	205	23.0	-	-	12	15	. **	1	27
RIESTE	160,092	" 25	43	58	18.8	-	7 - 1	an .	1	1	1	5
LOMB	417,392	October 4	210	155	19.4	-	- :		1	3 1	9‡	19
CURIN (10 days)	314.827	September 20	231	137	15.8	-	-	-	2	-	1	22
BRICH	156 800	October 11	82	75	25.0	12	4	. =	2*		2	9
AIRO	374,838	,, 2	-	-	-	-	-	-		-	-	-:
LEXANDRIA -	231,396	,, 2	-			-	-	-	-	-	-	:-"
NW YORK -	1,617.997	" 11	-	613	19.4	-	- 4	2	18	11	11	40
ROOKLYB .	871,852	, 11	-	339	20.1	-"	1	. 6	11	4	5	15
WILADELPHIA -	1,064,277	, 11	-	~-	;	-	-	april 1	- 1	-	- 1	
'ALTIMORE .	500,343	, 11	-	168	17.5	-	-	1	7 [1	10	2
NEW ORLEANS-	254,000	September 27	-	101	20.8	-	-	- 1	1	8.1	1	5
											THE PERSON NAMED IN	- SECRETARIA

Including deaths from croup.
 Including 9 deaths from cholera.
 Malarial fever.

TABLE 9.—METEOROLOGICAL OBSERVATIONS taken at the HOYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 18T NOVEMBER, 1890.

									212		0.09											_
-		Ozone.		0.0	0.0	0.0	0.0	0.0	5.0	0.0	6.3	27	a; no	r, and ading mum e air	duced ygro-	aphic sment " and		The	works,	to the	in by	
Rain	in a	whose receiving	5 inches above the Ground.	in. 0.13	00.0	00.0	\$0.0	00.0	90.0	00.0	Sum 0.23	26	means of	arometer mean res the maxi	sher's H	photograph move 1875.	wo feet Deptford	ons fron rometer.	trument,	gniylden	to z9.30	
				Miles. +152	+ 91	- 94	+152	- 109	- 31	+ 49	Sum +197	523	an level of The Jule then	for the borrected lings of mperatu	numidity by Glai	n of the horizon ending	th of the	nstructions Blect	nine Inst	tood as a	eereased	
		Robinson's.	Teta	Miles.	363	179	426	153	245	326	Sum 2115	24	the mes	ions deding 1873 ith the care the reaction of	gree of l	discussic d that of 16 years hat + in	atta depattle Ma	under i registerii	es Suns	e unders	28th; don the	
ometers.			Mean Mourly of bos.	1bs. 0.4	0.3	0.0	₹.0	0.0	0.0	0.1		23	sea leversea leversea.	correct ars end ars. W nean of	and de	rom a 868, an for the	pended reign C	arket,	Moan	re to be	ar the on the	
n Anem		Pressure on the Square Foot.	Least. no	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	23	159 fee uce to n; 3h.	ion of nty yes nomete ected read	ature t bulb	rived fading lacords	are sus	the M	ampbe	ions a	38 in. h. P.M.	
ced fror		Pressu	Great.	lbs. 1	2.1	0.0	8.4	0.0	1.0	0.2	:	13	to red	pplicatine twe	emper	hat der	names es of t	ork of	negan	OR CBC	nom 29 n. by 9 l to z9	
Wind as deduced from Anemometers.	Osler's.	rection.	P.M. G	NW.ENNW.	NW.&	W.SW.&	WSW. & SW.	SE. & SSE.	SW. WSW.	NNW. WNW.ssw.	. & NW.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. Observations are usually taken at \$11, a.m.; not onco; \$1, r.m.; and \$1, r.m. The means of the observations are usually taken at \$1, r.m. thermometer, and the wet built thermometer, and the wet built thermometer, and	eye-radings of the partometer, use ury man opplication of corrections deduced from a discussion converted into mean daily whuse by the application of corrections deduced from a discussion of the photographic records made during his twenty years ending 1873 for the barometer, and during the twenty wears ending 1886 for the thermometers. With the corrected mean reading during the twenty years ending 1886 for the thermometers. With the corrected mean reading of the twenty the transmission of the discussion of the maximum of the dry bulb thermometer is combined the corrected mean of the readings of the maximum of the dry bulb thermometer is compined the mean daily value of temperature of the attentions.	and minimum intermoneces, concern temperature and degree of humidity are deduced (column 8). The mean daily deep point temperature and degree of the dry and wet builb thermometers by Glaisher's Hygrorizon the mean daily values of the dry and wet builb thermometers by Glaisher's Hygrorizon the mean daily values of the dry and wet builb thermometers.	merrical Tables. The average temperature of the air is that derived from a discussion of the photographic The average temperature of the 20 years ending 1888, and that of horizontal movement records made at Greenwich during the 20 years ending 1875. The air from a discussion of the amenometric records for the 16 years ending 1875. and of the air from a discussion of the air will be home in mind that + indicates "higher," and	In Featuring are commenced as agreement. "In the commence of the water of the Thames are suspended at a depth of two feet below The thermometers in the water of the Thames of the Poreign Catala Marked at Depthord, and	is successful to registered by the Clerk of the Market, under instructions from the their readings are registered by the Clerk of the Market, under instructions from the Orporation of London. The record of Beleariety is derived from Thomson's self-registering Electronister. The	mbols employed are:k, positive; N. fickative; W. weak; m. morecare; s. seconds; and writtele. The problem 29, derived from the Campbell-Stokes Sunshine Instrument, show	the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the right fav. or from midnight to midnight.	The reading of the barometer decreased from 20°58 in, at the detailing to use when to 22 aim, by non on the 18th; (decreased to 20°48 in, by 10°1. P.M. on the 26th; (decreased to 20°48 in, by non on the 18th; (decreased to 20°48 in, by no on the 26th; (decreased to 20°48 in, by no on the 18th of November; and the 18th of October; increased to 22°46 in, by noon on the 1st of November; and	le week.
		General Direction.	А.М.	WSW.	NW.&NNW.	SW.& WSW.	SW.& WSW.	WSW.& NE.	SSE. & SSW.	NW.ENNW.	SW. WSW.	19	cistern c pplied to sually tal	daily va ecords m ars endi	and minimum the mean daily de from the mean daily de from the mean daily values of	prature of snavich drussion of	". lower," than the average. The thermometers in the we	registered on. ectricity	ure : F.	ion of bri the met idnight to	barometers; increase of Octobe	wes 29.53 in. at the end of the week.
-					-			-		MANUFACTURE LAND	-	1	of the been a	aphic renty ye	The m	es. e tempe at Gree a disc	nan the	their readings are regi- Corporation of London- The record of Electr	loyed a	durati of all rom m	r of the he 26th ne 31st	at the
RE.		of the Water of the Thames at Deptford.	Low-est.	3 48.4	48.4	3 46.4	3 46.3	5 47.2	7 49.4	47.9	0 47.7	18	eight on has	dings of the control	n 8). he mes	metrical Tables. The average terecords made at of the air from a	ser," the	eading ation o	ls emp able.	gregate results	reading on on the	J. 53 in.
TEMPERATURE.			st High-	3 49.6	0 49.7	5 47.6	5 47.6	0 48.5	2.09 0	2 49.4	6 49.0	17	The lorrecti	ye-reaction the planting of the contraction of the	colum rom tl	The The records of the a	The 1	Corpor	symbols en v. variable.	the agr	The	Was 2
TEMP		Of Radiation.	1. Lowest on the Grass.	• 00	8 24.0	0 20.5	5 30.5	2 38.0		2 36.5	1 31.6	16	-			and		cloudy	overeast	with	<	. (1
-	1		n High- est in Sun's Bays.	70.3	8.94	0.54	99.2	72.3		2.48	73.1	13		iable with occasional evening; cloudless at	rost.	th fog ds.		partially cl	▶2	rwards,	~ .	
		of Hu- midity		- 66			88 0.0			0.0	0.4	14	RKS.	le with	Hoar frost.	less wi		and par	generally ternoon.	ne afte	1 11	D.
	between	Point ature.	at- Least	0.0							0.8	1 60	REMA	variab till ev	erally.	; cloud loudly a		; fine a	rning : n till al	ning; fi till ev	1 1	
de cara tanta	Difference between the Air Temperature	and Dew Point	an Great-	61		0 61					4.7	1.0	RAI	torning id , sleet	less gen	norning ning ; c	ıal rain.	afternoon; fine	in early morning; generall occasional rain till afternoon,	early inorning; fine afterwards, with		
_			an Mean daily value.	0 0							100	11	GENI	early 'm	; eloud	st in (r	occasion	Tig.	in ear	in	1 0	
		Of the Dew Point.	De- from daily Average value.	0 0 0		-	0.1		7.7	1.0	4.3	0	-	Fine in fearly 'morning; verriable with showers of rain, and sleet, till, evening; c night,	Very fine; eloudiess generally.	Hear frost in morning; cloudless with dense haze till evening; cloudly afterwards.	Cloudy; occasional rain.	Overeast afterwards.	Variable afterwards	Overeast smail amot	nght.	123
	TURE.		Mean padaily Avalue.	0.00			T 0.0F				43.6	0	bove son, ire.	1	6		00		8 L. 6	9.6		
	TEMPERATU	Of the Air.	Daily M. Range. va	000							14.1		Sun a Horiz	10.0	6.6	8.6	8.6	9.1		0	Sum 68.5	30
ı	TE	Of t	Low. D	0 10							36.8	10	Registered Sun above Sunshine, Horizon, in hours.		00 43	0.0	6.0	8.0	0.0	00 •81	8.51 9.51	0.6
			High. I				0 00				\$.02	1.		till sand	nt.	•		•		on ;		-
1	BARO-	Mean daily reading		1					297.62		29.636	1	ELECTRICITY. (For explanation of symbols, see Note,)	generally with 8. N.	F. at nig.					w. P. till afternoon;		00
		Phases	Moon.		42	Full.	:	:	:	: :			ELEO (For exi	w. P. generally till evening, with s. N. and s.P. between 54h, and 7h.	W. P. after	۳. ك	и. Р.	W. P.	w.P.	W. P.		-
						27	83	22 2	8 :	JEE.		-	. lo	58	. 27	. 88	23	8	5	ER.		1
		1890.	Monte and Day.	OCTOBER	SUN.	Mon.	TOES.	WED.	THURS.	NOVEMBER.	Meana		DATE.	SUNDAT	Monday	TUESDAT	WEDNESDAY	TRUBSDAW	FRIDAY	NOVEMBER.		0

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS LONDON IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, NOVEMBER 8. Price 13d. No. 45, 1890, Vol. LI.

> General Register Office, Somerset House, 10th November, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 20.8 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending				Weeks	ending	<u> </u>
Towns.	Oct.	Oct.	Nov.	Nov.	Towns.	Oct.	Oct.	Nov.	Nov.
	18.	25.	1.	8.		18.	25.	1.	8.
Birkenhead	23.3	28.3	24.3	25.3	Liverpool			23.7	
Birmingham				20.2	London	20.5	19.5	21.4	20.5
Blackburn -	26.6	25.7	27.4	22.8	Manchester -	28.0	29.4	31.6	29.3
Bolton -	24.3	23.0	26.6	28.8	Newcastle-on-Tyne	22.7	25.9	24.0	22.7
Bradford -	22.5	20.8	19.3	21.9	Norwich	20.2	18.6	24.6	24.1
Brighton -				12.7		12.3	15.5	16.4	14.7
Bristol -	19.8	15.3	15.3	18.0	Oldham	22.4	19.9	29.1	22.7
Cardiff -	20.1	29.9	25.8	25.0	Plymouth	13.9	21.8	25.8	18.5
				16.0	Portsmouth -	15.7	18.6	24.8	19.3
	21.0	$22 \cdot 2$	29.2	18.4	Preston	25.8	26.3	31.7	22.8
Huddersfield	18.3	13.3	19.4	18.3	Salford	21.5	21.5	24.1	18.5
Hull				17.8	Sheffield	24.9	25.2	24.1	20.7
	19.1			20.8	Sunderland -	25.2	27.5	17.6	18.7
	19.9	15.2	19.9	15.9	Wolverhampton -	23 · 1	15.6	20.0	21.3

The highest annual death-rates, measured by last week's mortality, were :--from measles, 2.2 in Manchester and in Cardiff, 2.8 in Bradford, and 3.2 in Bolton and in Oldham; from scarlet fever, 1.1 in Manchester and in Sheffield, and 2.1 in Liverpool; from whooping-cough, 1.1 in Sunderland and 1.6 in Norwich; from "fever", 1.8 in Cardiff, 2.0 in Plymouth and in Birkenhead, and 2.7 in Norwich; from diarrhæa, 1.1 in Manchester and in Birmingham, and 2.5 in Blackburn. The 73 deaths from diphtheria included 50 in London, 5 in Salford, 4 in Liverpool, 3 in Manchester, 3 in Newcastle-upon-Tyne, and 2 in Nottingham. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2173 BIRTHS and 1735 DEATHS were registered. Allowing for increase of population, the births were 678 below, while the deaths exceeded by 75, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19.5 and 21.4 in the preceding two weeks, was 20.5 last week. During the first six weeks of the

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the ast intercensal period has been maintained since 1881; nine years after the last enumeration such as hypothesis is, however, obviously somewhat untrustworthy.

A 64310.-6. 635.-11/90. Wt.

current quarter the death-rate averaged 19.3 per 1000, exceeding by 0.4 the mean

rate in the corresponding periods of the ten years 1880-89.

The 1735 deaths included 74 from measles, 23 from scarlet fever, 50 from diphtheria, 20 from whooping-cough, 29 from enteric fever, 23 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, cholera, or choleraic diarrhea; thus, 222 deaths were referred to these

diseases, exceeding by 17 the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 8; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had steadily increased in the preceding six weeks from 22 to 95, declined last week to 74, but exceeded the corrected average by 24. The fatal cases of scarlet fever, which had numbered 29 and 16 in the preceding two weeks, were 23 last week, being less than half the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 2122 scarlet-fever patients at the end of last week, the numbers on the preceding eleven Saturdays having increased from 1427 to 2110; 188 cases were admitted during the week, against 203 and 247 in the preceding two weeks. The deaths from diphtheria, which had been 41, 23, and 26 in the preceding three weeks, increased last week to 50, the highest weekly number on record, and double the corrected average. The deaths from whooping-cough, which had declined in the preceding three weeks from 30 to 19, were 20 last week, and 6 below the corrected average. The 26 deaths from diarrhæa showed a further decrease, but were 5 in excess of the corrected average.

The deaths attributed to enteric fever, which had been 15 and 26 in the preceding two weeks, were 29 last week, and exceeded the corrected average by 6. The Metropolitan Asylum Hospitals contained 192 cases of enteric fever, and 2 of typhus, on Saturday last; 24 cases of enteric fever were admitted during the

week, against 23 and 25 in the previous two weeks.

The deaths referred to diseases of the respiratory organs, which had increased in the preceding four weeks from 197 to 450, further rose last week to 465,

and exceeded the corrected average by 50.

Different forms of violence caused 65 deaths, concerning all but 2 of which inquests were held. Of these 65 deaths, 10 were cases of suicide, and 2 of manslaughter, while the remaining 53 were attributed to accident or negligence. Nine of these were caused by horses or vehicles in the streets, 12 by burns or scalds, one by poison, 2 by drowning, and 9 (including 8 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 2954 births and 2181 deaths were registered, corresponding to annual rates of 26.8 and 19.8 per 1000 of the estimated population. In the Outer Ring 49 deaths were referred to measles, 17 to diphtheria, 8 to "fever," and 6 to scarlet fever. The deaths from measles included 23 in West Ham and 5 in Brentford sub-districts. The deaths from diphtheria included 13 in Croydon sub-district.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during October will be found on pages 463-464.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.28 ins.; the highest reading was 29.64 ins. on Thursday morning, and the lowest 28.97 ins. on Friday morning. The mean temperature of the air was 45°.2, and 0°.3 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average from Monday to Thursday, but showed a slight excess on the other three days of the week. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged

16.4 miles per hour, which was 4.8 above the average in the corresponding weeks of 16 years. Rain fell on five days of the week, to the aggregate amount of 0.77 of an inch. The duration of registered bright sunshine in the week was 16.4 hours, against 21.3 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of October 1890; according to their returns 177,723,730 gallons or 807,480 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 231 gallons (105.0 decalitres), being rather more than a ton by weight, to each house, and (assuming 7.8 persons to each house) 29.7 gallons (13.5 decalitres) to each person, against 28.9 gallons during October 1889.

COMPANIES.	Number of suppli		Average daily Stin Gal	
00	Остовев. 1889.	Остовев. 1890.	Остовев. 1889.	OCTOBER. 1890.
TOTAL SUPPLY	756,938	767,937	170,403,008	177,723,730
From Thames	364,870	270,249	85,267,475	89,591,025
	393,068	397,689	85,135,533	88,132,705
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	35,729	35,653	9,518,069	9,788.710
	72,430	73,759	15,512,287	15,435,778
	111,596	112,655	23,863,965	26.051,183
	55,748	56,423	17,501,890	18,704,649
	89.967	91,743	18,871,264	19,610,700
LEA AND OTHER SOURCES. New River East London	153,031	153,843	31,324,600	\$\$,352,000
	166,235	169,233	42,040,766	42,267,485
	72,742	74,563	11,770,767	12,513,220

Note.—The Return for October 1890, as compared with that for the corresponding month of 1889, shows an increase of 10,999 houses, and of 7,320,722 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATER SUPPLY DURING OCTOBER.

Water-analysis Laboratory, The Yews, Reigates 7th November, 1890.

Sir, 7th November, 1890.

I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of October.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.8, Colne Valley 0.9, New River and Tottenham 1.0, East Loudon 1.5, Grand Junction and Lambeth 1.6, Chelsea and West Middlesex 1.7, and Southwark 1.8.

The water taken from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies was again of remarkable organic purity, and was, in every case, efficiently

filtered before delivery.

Of the water obtained chiefly from the River Lea by the New River and East London Companies, that delivered by the New River Company was, as regards organic purity, equal in quality to the deep well water of the Tottenham Local Board of Health, whilst the East London Company's water was slightly superior to the best of the Thames waters. Both waters were efficiently filtered.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of excellent quality for dietetic use. These waters were clear and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the New River, Kent, Colne Valley, and Tottenham

waters were clear and colourless; and the rest of the waters clear and nearly colourless.

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear and greenish yellow. The organic carbon and nitrogen had risen con"siderably, apparently from the solution of decaying vegetable matter."

Dr. Mills, F.R.S. of the Glasgow and West of Scotland Technical College, reports that the water supplied to that city from Loch Katrine was "light brown in colour and contained a little " suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR	Companies Local Authorities.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitratesand Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES. Chelsea	Cab Rauk, Horse Guards, Whitehall.	14.0	24.50	•077	•021	0	141	·162	1.9	18.0
	West Middlesex .	Cab Rank, Portland-road.	14.2	25.74	.081	*020	0	•169	°189	1.9	19.1
	Southwark	October 13th, Cab Rank, Bricklayers Arms, Old Kent-road.	13.8	27.50	•082	*026	0	•150	•176	1.9	19.4
Inner Circle.	Grand Junction -	October 13th, Cab Rank, Uxbridge-road, near Marble Arch.	13.0	27.48	•082	.012	0	•171	•186	1.9	19.7
Inner	Lambeth • •	October 13th, Cab Rank, St. George's- road, Southwark.	13.9	26.88	•072	*022	0	•183	*205	1.9	20.0
	LEA. New River	October 13th, Cab Rank, Tottenham Court-road.	13.3	28.00	.044	•013	0	•201	•214	1:7	20.6
	East London -	October 13th, Fire Brigade Station, Commercial-road, E.	13.4	28:42	.072	•016	0	.173	189	2.0	20.3
0	DEEP WELLS.	October 13th, Mill Lane, Deptford.	12.4	42.20	*034	•013	0	•515	•528	2.2	28.7
Circle	Colne Valley • •	Cotober 27th, Bushey.	-	18.90	*038	.014	0	.381	*395	1.9	8.4
Outer	Tottenham • •	Cotober 24th, Tottenham.		41.14	.042	*015	.050	.0	*056	2.9	22.7
	poration of Birming-	October 1st, ' '98, Pershore-street.'	15.0	26.42	•213	*029	•001	•066	.096	1.7	19.0
Con	poration of Glasgowt-	{ October 16th, Loch Katrine Water. }	11.6	2.2	.132	.026	0	.003	*029	.70	•63
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.
 Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water The Table is be to read thus:—the Chelsea Company's water, collected on the 13th October, at the Horse Guards cab-rank, had a temperature of 14° 0 C.; 100,000 lbs. of it contained 24 50 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained '077 lb. of carbon and '021 lb. of nitrogen. The above quantity of water also contained no ammonia. and '141 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '162 lb. The above weight of water also contained 1.9 lbs. of chlorine; and 18.0 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

-				- 1	_			-	6168	,								9			_					ш		-		400
		oô H							PION.	2		2				.3				LD.										
	CITIES	BOROUGHS	Cols.	- 28 TOWNS.	LONDON.	PORTSMOUTH.	NORWICH.	BRISTOL.	WOLVERHAMPTON	BIRMINGHAM	LEICESTER.	DEPEN	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER	OLDHAM.	BLACKBURK.	PRESTOK.	HUDDERSPIRED	TIALIFAA.	BRADFORD.	SHEFFIRED.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	Parsonnes.	GLASGOW.	DUBLIK.
	A tob.	In Centil- metres.	24.	3.45	96.1	5.70	1 00	2.84	5.21	1	1 0000	67.7	1	26.9	1	}	1 1	Ì	1	1	•	3.66	1	1	1.	68.3	ī	10.0	99.8	2.34
0	MAINTALL	.eodonI al	23.	1.36	77.0	06.0	1 . 7.7	1.12	2.02	118	1 000	00.0	1 1	F8.8	1.		1 1	1	1	1	1	1.44	1	1	1	7.8₹	1	1 · E.A.		
ATR.	l ii	Centigrade.	22.	6.83	7.33	76.2	1 1	7.03	76.7		1 7	Tr.o	1 1	1.28	1	1	1 1	1	1		1	6.44	1	1	1	.61	1	-	6.0)	
TEMPERATURE OF THE AIR.	Mean.	Vahrenbeit.	21.	44.3	2.07	6.9		45.2		1	-	0.04	, ,	45.1	1 -	1	1 1	-	1	1		9.8	1	1	1	40.3 4	1	A9.8		45.2 7.
ATURE	-1	it I POMOS	20.	30.5	25.7	_===		34.0		1		9.86		38.7	,					1		37.5	=	1		35.0 .	A CE	1=	31.5	
BHPER	.31	Higher Higher	19.	57.0 3	55.0			55.5 3			1 **		. ,	53.5 38	1		1 1	1 1		1	,	53.8 37				46.0 35	-	***	54.9 31	
Kate T	Baths	From Diseases in Cols. 6-12.	18.	2.0	9.6		0.9	-	2.2	9.8	4 -		7.2		4.0	20 0	4.6	3.60	10	1.1	9.0	4.1	000	1.1	2.3	1.6 46	70:	-	-	2.3 56
naual l	to the Week's Deaths	From All Causes.	17. 1	8.0%	20.2		18.2		21.3		6.91				00		2.81	_			13.4 13.4	000			18.7	1 25.2		-		20.1
-	.dise	offiteent offite absurd	16.	75 2	15 2		ار ا	1 1	7 2		00 F	1	•i	26 24	-		20 1	31	-H	1 18	PA N	1 21	202	-	188	- 22	- 25	-	-	
	*81	niadtaoC oildu T noilutitanI	16.	711	132 1	1 1	c1 1	10	10	27	010	0 00	10		70	52		1 -	1	₹ 1	-	15			4	6	11	1-	35 26	
	-	nast desupul	14.	256	89 1	*	63 4	* °	1	13	53 ×	o 0.	4	11	60	10	₹# F	4 01	-	1 1		21 :	10 10	מי	*	9	•	-		
ap.	1	Vlolence.	13.	114	65 -	1	61		1	9	67 G	0 1	1 01	00	-	63		٠	-		-	2	0 4	, 1	1	3	-	-	- 6	20
The Dearms registered in the Week include		.amditaiQ	12.	98	26		-	1 01	1	10	00 C	3 6	9 14	4	G4	00	60 0	1	1	1	1		٦ ،		l pool	1	1	-	ed 15	4
he We		Ferct.	11	74	29	। ०१	70 c	0 1	Н	1	1 ?	1 1	mit .	-	· 10	63	4 -	4	21	pare .	I.	1 .	* 0	0.1	1	-	4	-	¢1 33	1 00
ed in t	from	Whooping-	10.	48	20	1	20	-	1	20	1	1	-	-	-	93	1	-	-	-	1	70 T	I	H	00	pol	1		- 0	2 1
egister	Deaths	Diphtheria.	6	73	20	1		- 1	1	-	1 0	77	1 1	41	1	60	10 1		1	1	1	1		-	1	. 00	1		÷ 4	K
ATHE		Seariet. Fever.	00	85	23	1	1	1 00	61	9		-	1 1	25	1	00	eo 1	1 1		ı	F		- L	- 1	63	1	-	1	- 00	D 1
The Dr		Mensies.	- 3	175	74	B 1		1 9	. ~	-	eo e		1 00	10	10	16		1 0		1	H ,	90	10	I I	, 1	1	10		1 4	FO C
		.zoq-llam2	6.	1	1 1		-	1 1				1	1 1	1	1 -	1	1	1	1 1	1	6'	1	1	1 6	1		11	-	1111	1
	the of	Persons aged 60 Years and upwards.	0.	852	356	15	10	61 61	00	35	12	I I	10	45	15	42	16	7 7	9	10	9	10	G1 6	16		4	6	-	16	388
		Infants under I Year of Age.	4	89.0	393	11	10	S 4	12	12	10	16	6 0	74	15	E	16	15	9 6	10	10	16	40 0	00 01	19		133	-	19	28 28
during	nding	DEATES.	20	3881	1735	55 50	44	82 80	34	179	47	69	20 10	284	99	213	86	40	46	33	29	101	145	1 20	61.	1	200		96	140
Decisional during	the Week ending	BIRTHS, D	21	5194	2173	54	64	13.6	03	896	88	700	56	261	99	262	114	7.5	09	48	43	118	213	109	48	115	101	- Control of the Cont	113	144
-		, 2			19	59	200	180	901		344	606	178	663	346	187	609	91/	165	255	034	515	200	7000	200	987	013	-	135	280
	Population	to the middle of the Year 1890.*	1.	9,715,559	4,421,661	123,659	95,352	78,78	88,406	461.865	154,344	244,909	160,871	618,463	115,846	879,487	242,509	146,716	105,555	94,253	\$2,034	240,515	865,799	97.9 9.00	136,506	162.987	210,711		271,135	358,082
1	4		Cols.		•		٠		KOL	٠		• •			6	•	•			- 9	B	•						-		2 4
	· Bullinger	BORUTGES.	5	SEATON DO	NOUNOL	BRIGHTON .	PORTEMOUTH NORWICH .	PLYMOUTH .	BRISTOL WOLVERHAMPTON	MAHORINGA	LEICESTER .	NOTTINGHAM	DERBY .	BIRKENHEAD	Norton -	MAWCHESTER	SALFORD .		BLACKBURN .	HUDDERSFIELD	HALIPAK .	BRADFORD .	LEEDS -	SHEPPIELD		N'TOTAL ASTITUTE	CARDIFF		EDINBURGH -	GLASGOW

· See note on first page of this Return,

Table 2. LONDON.—Births and Deaths Registered in the Forty-fifth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.**	1890
Total Births Males Females .	2538	2788	2709	2497	2502	2534	2565	2634	2770	2659	2851·1	2173
	1299	1404	1319	1269	1317	1295	1277	1350	1401	1339	1447·0	1110
	1239	1334	1390	1228	1185	1239	1288	1284	1369	1320	1404·1	1063
Total Deaths Males Females .	1636	1636	1493	1556	1516	1531	1420	1564	1520	1350	1659·9	1735
	802	860	784	805	826	807	746	787	781	676	858·6	882
	834	776	709	751	690	724	674	717	739	674	801·3	853

^{*} The numbers in this column are the average weekly numbers in the forty-fifth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE S. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LUNDON.—I		_		_				i the		LHIR			
	Aug. 16.	Aug. 23.	Aug.	Sept.	Sept.	Sept. 20.	Sept. 27.	Oct.	Oct. 11.	Oct. 18.	Oct. 25.	Nov.	Nov. 8.
TOTAL Births	2527	2487	2614	2469	2539	2355	2458	2433	2409	2412	2512	2295	2173
TOTAL Deaths	1751	1629	1659	1514	1410	1375	1458	1413	1472	1741	1649	1816	1735
Ages at 20-40 ,, - Death 0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & upwards	1019 169 263 246 54	964 148 233 235 49	911 190 265 234 59	796 177 240 245 56	687 183 238 256 46	667 200 214 232 62	740 182 236 256 44	726 170 223 253 41	747 180 240 254 51	870 204 316 281 70	835 200 264 296 54	826 206 336 372 76	785 222 332 318 78
"" {Under 1 year - 1-5 5-20	635 294 90	603 292 69	525 282 104	459 247 90	395 217 75	376 227 64	419 207 104	433 193 100	436 213 98	491 260 119	429 306 100	413 302 111	393 283 109
Deaths from Small-pox ,, Measles , Scarlet fever , Diphtheria , Whooping-cough , Typhus , Enteric fever	80 27 15 39 -	73 16 20 39	60 24 26 39	56 18 16 46	39 18 18 35 1	33 14 35 38 - 21	1 22 16 38 29	30 20 28 13 -	38 20 38 19 -	59 20 41 30 -	70 29 23 28	95 16 26 19	74 23 50 20 -
", ", SimpleContafever ", ", Diarrhoa and Dysentery - , ", ", Cholera	262 10	255 12	180	1 128 5	117	94	86	105	1 94 2	75 2	55	43	26
,, all the above- mentioned Diseases	450	426	353	288	251	238	218	229	246	250	221	225	222
,, Dis. of Respira- tory System } ,, Phthisis - , Dis. of Circula- tory System {	208 129 113	203 119 116	184 167 100	180 139 120	210 136 114	187 157 136	222 130 104	262 123 100	197 147 123	340 204 144	417 139 151	450 189 156	465 153 141
Violent Deaths Inquest Cases Deaths in Public Institutions	75 128 403	54 105 343	57 105 364	54 98 391	55 109 360	43 83 360	52 103 377	61 107 334	49 113 346	52 123 397	50 114 382	57 119 395	65 148 432
TEMPERATURE OF THE AIR Niean Mean of Highest readings - Mean of Lowest readings -	61·1 73·2 54·6	59.0 69.0 51.8	54·4 66·5 46·0	58·4 71·0 48·4	59·4 73·2 48·2	60·4 71·7 51·0	58·8 69·2 50·9	56·7 66·3 49·3	54·3 64·1 45·5	47·7 56·5 59·8	48·2 54·4 43·2	43.6 50.4 36.3	45·2 51·7 39·0
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	82 0·78 32·6	81 1·00 31·9	80 0·67 36·5	83 0·00 26·8	79 0·00 48·6	74 0·34 50·7	83 0·31 24·9	76 00·0 36·9	82 0·33 36·5	82 0·20 16·0	8.8 8.8	85 0·23 12·6	82 0.77 16.4

METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippmcott, Esq., Bristol; g. Shipson, Esq., Wrottesley, Wolverhampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartunp, Esq., F.R.A., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. Mclandstorough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sungerland; and Wm. Lyall, Esq., Newcastle-on-Type.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Forty-Fifth Week of the Year 1890.

	FORTY-FIFTH Week of the Year 1890.																				
	years	- 5	aturo	lay,	8th N	Tover	nber	1890).		for the	In the Week ending Saturday, 8th November 1894.									
	the 16 y		D	eath	he A	1 .			_		Averages for the 10 1880-89.*	Deaths of Persons of the Ages							_		
CAUSES OF DEATH.	Averages eks of the 1880-89.		_	Jnde 20.	r	under 40	under 60	under 80.	and s	CAUSES OF DEATH.	eeks of	. 88	7	nder 20.		under 40		under w.	BERTH.		
	Corrected 45th Wee	ALL AGES.	0-1.	1-5.	5-20.	20 and un	40 and un	60 and un	so Years upwards		Corrected 45th Wee	ALL AGES	0-1.	1-5.	5-20.	20 and ur	40 and un	and	so Years unwards		
ALL CAUSES - '-	1659°9	1735	1	1 -	109	222	332	318	78	Diseases of Organs of Special Sense†}	3.4	2	-	1	-	-	-	40	1		
Small- Vaccinated; -	2.2	-	-	-	-	-	-	-	-	Diseases of Circulatory	120.3	141	2	2	5	25	49	48	10		
pox No Statement	8.1	74	12	55	7		-			System = = =;		-		_				-	-		
Measles	48.6	-23	1	11	10	1		_	-	Croup	14.6 249.6	11 266	91	7 45	2 3	7	29	73	18		
Typhus	1.0			-	-		-	-	-	Pneumonia	109.8	154	40	40	7	16	28	21 2	2		
Relapsing Fever t	0.0			-	-	-	-	-	-	Other Diseases of Respi-)	34.7	29	4	4	1	2	7	10	1		
Influenza	0·3 25·5	20	6	13	1		1	1 -		ratory System S		-		_		_					
Whooping-cough Diphtheria	25.4	50	3	25	13	2	2	_	-	Dentition †	10.3	13	9	4	-	-	1		-		
Simple Continued and)	1.6			-	_		_	_	_	Quinsy, Sore Throat † - Enteritis	2 8 6·1	8	4	1		1 3	1 2	2			
Ill-defined Fever - 5	23.2	29		1	6	17	4	1		Peritonitis Diseases of Liver	28.3	6 27	5	-	1	4	11	3	3		
Enteric Fever Cholera and Chol. Diarr.	0.4		-	-	-	-	-	-	-	Other Digeases of Digestive System -	30.6	26	3	5	1	3	6	7	1		
Diarrhœa, Dysentery -	20.6	-26	14	7	1	1	1	2	-				-			-					
Remittent Fevert	0.1	1.	-	-		-	-	_	-	Diseases of Lymphatic System & of Ductless	2.5	1	-	-		-	-	1	-		
Hydrophobia Glanders	0.0			_	-	-	_	_	-	Glands †)											
Cowpox and Effects of)	0.1		_			_	_	_	-	Diseases of Urinary	03.0	42	1		3	9	15	12	2		
Vaccination † 5	10.6	3	3							System}	83.8	2.5	1		b	9		14	2		
Venereal Affections '- Erysipelas	9.6	7	1	_	-	2	1	3			-										
Pyzmia and Septiczmia †	3.8	3	-			2	1	-	-	Diseases of Generative	6.0	4	-	-	-	1	2	1			
Puerperal Fever	7.2	5		-	-	. 5	-	-	-	Accidents of Childbirth -	3.1	4			_	3	1	_			
Other Zymotic Diseases †	19				-	_	-	-	-	Diseases of Locomotive	8.1	8			8	2	2	1	- 8		
Thrush	1'4	1	1	-	I-	-	-	-	-	System †}						-	_	-			
Worms and other Para-} sitical Diseases }	0.4		-		-	-	-	-		Diseases of Integumen-)	6.3	12	3	-	1	_	4	4	_		
Starvation, Want of	11	4	4			_				tary System }						-					
Breast-milk † }	5.6	12	H	_	H	2		4	-	VIOLENT DEATHS.§											
Alcoholism		10	۲		-	-	6	-	-	(ACCIDENT.)									Total Park		
Rheumatic Fever, Rheumatism of Heart†	10.1	16	-	3	4	-4	4	1	1-	Fracture and Contusion Gunshot Wound Cut, Stab	17.9 0.1 0.2	25	-	2	4	6	9	4			
Rheumatism †	2.8			-	-	-	-	-	-	Burn and Scald	7.3	13	-	4	2	2	4	-	-		
Gout	3·1 4·2	2 7	H	-	-	-	-	2	-	Poison Drowning	3.2	2 9	- 1 0	-	-	1	1	1	-		
Rickets †	58.3	58	8 -	4	-	6	30	22	-	Suffocation Otherwise	2.4	4	8	-	-	1	-	2	-		
Tabes Mesenterica -	27.8	24	17	6	1	~	-	-	-			-				-		-	-		
Tubercular Meningitis -	23.8	16	4	9	3	-	-	-	-	(Homicide.)											
Phthisis Scrofula, Tuberculosis -	166.4	153 22	9	5	12	73	53	10	-	Murder & Manelaughter	1.5	2	-	-	-	1	1	-			
Other Constitutional Diseases † }	10.3	12	-	1	-	4	3	4	-	(SUICIDE.)											
									-	Gunshot Wound Cut, Stab	1:3	1 -	-	-	-	1	-	-	- 1		
Premature Birth Atelectasis †	36°6	51	51 3	-	-		-	-		Poison Drowning	1.4	2 4 2	-	-	-	1	1 3	-	-		
Congenital Malforma-					~		-	-		Hanging	1 5 0 9	2	-	-	-	- :	- 1	2	-		
Mons	67	5	4	1	-		-	-							-			-			
Old Age	23.8	48	-	-			1	15	33	(Execution.)		-									
Apoplexy	43'4	53	3	-	-	3	18	33	4	Hanging	0.1	-	-	-	_	_		_			
Epilepsy	8.7 45.8	7 35	30	5	-	-	4	2	-												
Other Diseases of Brain and Nervous System	85.3	81	5	11	10	9	22	2)	4	OTHER CAUSES †	59 0	61	46	2	-	-	-	3	-		
* The numbers is this		ma 4 h a	OWAN			In 1)	atha	for	43-40	u years 1880-89, raised by 9°0	di ner ce	nt. for	inere	250	of nor	rlat	ion	-	_		

The numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9 '046 per cent. for increase of population."

As the ten years the average and not be averagely assertioned the average for the sight years 1832-9 has been used.

The evidence at inquests u often inauthoent to easily much the Coroner to certify whether a violent death be the result of accident, murder, inclausher, of suicide. All sace cases are classed under "accident or negligence."

As the ten years average could not be correctly ascertained, the average for the eight years 1852-9 has been used.

1 Those case of small-pox only are returned as "vaccinated" or as "uvraccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not serviced by a registered product the resulting the production. The production of the

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarlet during the Week ending

during the Week ending														ng				
11				The DEATES registered in the Week luclude														
	Snume-			Dest	Deaths of		Deaths from											
REGISTRATION	rated Fopu-	. E.	88.	4 5	60 Wds.				1	ugh.	1 .	ver.	Pr.				ublio	TERRE
SUB-DISTRICTS.	l stion,	Вівтн	DEATES	under f Age.	aged a	X.	ш	Fever.	ia.	Whooping-cough		(or	con-			Cases	in Pul	M Cs
1 1 2 2	1831.				Years 4	Small-pox.	sles.	let F	ther	opin	hus.	rie	ple c	Diarrhoa.	Violence.		1 5	rtifled
1 7 - 7		Total	Total	Year	Pers	Sma	Measles	Scarlet	Diphtheria.	Who	Typhus.	Enterio (c	Simple (Diar	Viol	Inquest	Deaths	Uncon
	9 01 = 20	01/0	7505				17.4	23		22	-	29	-	26	65		400	
LCNDON *	3,815,704	2173	1735	393	396	-	74	-	50	20		-			11	148	432	1
WEST DISTRICTS	905,947	317 503	276 375	63 72	66 81	-	3	9	20	7	-	6	-	6 5	9	26	102	i in
CENTRAL DISTRICTS	282,338	122 439	133	18	31		32	3	3 7	2	-	3	-	2 7	18	28 36	46 86	1:
EAST DISTRICTS	692,788	787	352 589	89 148	72 145	-	33	9	16	9	-	8	-	G	19	41	113	
METROPOLITAN HOSPITALS AND ASYLUMB OUTSIDE REGISTRA-	-	闰	10		1	-	-			-	~	-	- 11	Ŀ	-11	-	. 10	-0
TION LONDON) WEST DISTRICTS.											-	- 4				**	- 1	1
St Mary Paddington WHH G.J. aW.M. St. John Paddington H - G.J.	69899 37330	37 5	29 15	7	8	-	-	-	1 -	-	-	1 -			1	1	8	1,4
Kensington Town Wiv - W.M. &C.	120141 48010	45 12	53	14 2	17 2	-	-	-	-	-		-	-2		3 -	7	16	1
St. Peter Hammersmith W.M. St. Paul Hammersmith H W.M. & G.J.	7599 64340	6 37	5 23	1 6	2 5	-	ī		ī	-1	-	2		2	- 1	3	2	1:
Fulham Ww W.M. RC	42900 15049	57	42	12	8		8	2	1	1	-	2		2	1 -	2	13	
Chelsea Kensal Town C. Chelsea North WHHHHHH - C. Chelsea Sou'h HHH C.	42683 30396	18 26	18	4	5		-		1.1	1	-			1	-	3 -	5 8.	-
May Fair W G.J. Belgrave WHHH C.	80353 89220	26	8 27	- 5	2 7	-	-		9 1	-	-	1 1	-	ĩ	2	3	6	3
St. John Westminster HHH - C. St. Margaret Westminster H - C.	35496 - 24679	19	17	7	2	1	-			-	-	-	-		2	2	4	- 69
St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHH N.R.	29941 16608	9 10	4 2	1	1 -	-	ī				=,		-	-	-	-	1	(=
North Districts.	10000	18	17	1	2									_			**	
All Souls Marylebone HHHHH W.M. Cavendish Square HHHH W.M. Rectory Marylebone W - G.J. & W.M.	26759 14394 24809	3 12	8 8	- 8	3	-	-	-	1.1	2		1	-	-	ī	1	11	-
St. Mary Marylebone W = G.J. & W.M. Christchurch Marylebone HH - W.M.	21118 33700	24 19	8 9	1 2	5	-	-			ī		-	-	-	1	2	2	-
St. John Marylebone H W.M. Hampstead WeeHHHH - N.R. & W.M.	\$363S 45452	15 26	7 29	3	6	-	1	6	1 2	-	-	2	-		-	~ 9	13	
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M.	89115 27729	16 13	11 25	1 3	1 5	-		-	3	-	-:	- 1	-	-	2	-	19	-
Samers Town H N.R.	\$0247 84369	13 19	12	2	1	-	-		~	-1		1	1.1.1	1	8	8 8	5	
Camden Town WH N.R. Kentish Town W N.R.	17811 87437	11 47	33	5	8	-	1		-	-		1	- :	-	-	-	5	27
Upper Holloway WWWHH N.R. Islington South-west H - N.R.	67916 100974	43 64	34	7 10	10	~	-	-	2	1	-1	-	-	2	-	1 2	11	-
Highbury H = N.R.	61335 52048	36 24	22 14	10	5		-	-	-	7 =	1	-	-	-	-	11	2	-
Stoke Newington H N.R. Stamford Hill E.L.	22781 9277	12 6 14	8 4 11	2	3		ī	1	-	-	-	-	-	-	= 1			
West Hackney H - N.R. Hackney WwwwH - E.L. & N.R. South Hackney - E.L.	87610 76911 39483	50 24	20 20	- 5 7	8 2	-	-	1	10	1	-	1	- 1	1	1	1 2	15	-
CENTRAL DISTRICTS.									1		-	. 1						. 1.
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North H N.R.	16681 14864 12927	3 10 7	12 6	1 2	8	-	-	-	-	Į,	1	-	-	-	3 .	8	7.	41.
St Martin in the Fields HH N R & C	13837	8 2	7		3	-	-		-	-		2	-	-	-	1	8	-
St. Mary-le-Strand H N.R. St. Clement Danes H N.R. Strand Union Workhouse, Edmonton w.	7515 8559	1 -	5 5	1	-4	-	-	-	-	-	-	-	-	-	-	1	9 %	-
St. Geothe-Martyr HHHHHHH N.R.	18571 10708	9	16	3	3.	-	1	-	_	-	_	-	-	-	-	1 -	6	-
C-from Hill H - m m - N D	6533 17516	8 7	7	-	3	-	-	-	-	1 1	=	-	**	-	- 1	1 3	1 1 7	
Amwell Clerkenwell N.R. Pentonville N.R. Gonwell-street N.R.	19231	9 8	5	8	1	-	-	-	=	-	1 1 4	1		1	-	-	-	-
Old-street H N.R.	17508 11541 18628	7 6 23	5 6	1 3	1 1		-	~	-	-	1 [-	-	-	ī	2	-	
Whiteeress-etrees - N.R.	9217	3	2	1	-	-	-	-	-	-	7	1 - 1	-		-	-	1 -	
Holborn Union Workhouse, Mitcham w.		- 5	1 8	2	1	-	-	-	-	-	-	= ;	1,1	=	-	~	1	
	7193 5353	1 -	28	-	3	-	-	-	3	-		- 1	-	H	13	11	19	2
Cripplegate - - - N. E. St. Begulare H - - N. E. St. Bride W - - N. E. Allhallows Barking - - N. E. Broad Street H - - N. E.	8596 18568 6652	2 2	5	-	2	-	-	-	-	-	-	=	-	-	-	3	-	
The state of the s	1								-	-	-	L-	-	-	-	-	-	-

NOTE -The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Work house; H—Hopital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment caselving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply sue different a bi-districts 1—15. J. signifies Grand Junction Company; W. M. Wost Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. R. New Elver; E. L., Kast London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district sturday, 8th November, 1890.

							The	DEA	THE P	ogiste	red i	n the	Wee	k inc	ude			
	Enume-			Deat	hs of		-		1	Death	s from	a				1	1	1
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total Birres.	Total DEATES.	Infants under I Year of Age.	Persons aged 60 Years at upwds.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus	Enterie (or Pyphoid) Fever.	simple son-	Darrhen.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
EAST DISTRICTS. Shoreditch South HL^{\oplus} - N.R. Hutton New Town w - N.R. Hotton Old Town - N.R. Aggerston WH - N.R. & L.	22343 29937 28036 48275	13 18 12 28	16 16 6 20	2 1 2 4	3 9 - 7		8 2 -	- 1	-	1 1 1		-	1111	1111	1111	1 1 1	3 9 - 8	-
Bethnal Green North H - E.L. Bethnal Green South - E.L. Sethnal Green East WHL* - E.L.	51157 34399 41405	40 16 38	14 10 24	3 2 5	2 1 9	-	1 1	-	1 1 1	-	-	1	1 1 1	111	2	1 2	10	
witalfields E.L. & N.R. Wite End New Town W Whitechapel Church H Loodman's Fields E.L. N.R. & E.L. N.R. & E.L.	22585 15473 17490 9713 6102	11 17 11 2 6	9 14 13 4 3	5 3 2 2 1	2 3 3 -		1 1 1 2	11111	1			1	1 1 1 1 1	11111	1 -	3 2 2 1	10	11111
Rt. George's, North E.L. St. John, St. George East W - E.L.	88747 8410	10 5	21 6 15	9 -	3 2 2	-	1	-	1	1 1 1		-	-	- 1	ī	6 1	3	3 -
Shadwell H E.L. & N.R.	16107 82041 37960	9 19 25	6 24 15	2 7 8	3 2	11,1	8 -	1		- 1		1	-	1	1 -	1 1 2	1 1 4 6	-
Mile End Old Town East WwwH-E.L. Sow L* E.L. Stomley wwWH E.L. Coplar WWH E.L.	67653 87074 64359 55077	25 48 26	23 21 42 30	5 15 7	5 3 7 5	1 1 1	1 1 1 7	- 1	1	1	-	1 1 -	-	1 2 -	- 1	1 6 3	3 16 3	1 1 1
SOUTH DISTRICTS. Aristchurch Southwark WH L. & S. 4. Saviour Southwark - S. 6. & L. 6. &	18663 14999 21851 15953 21318 26672 59555 21623	9 6 15 10 8 9 42 14	6 9 9 11 8 12 21 9	1 5 7 3 2 6 8 1	1 3 3 -	1111111	1 - 3 1	1111111	1111111	1 1 2 1 1 1 1	11111111	1	11111111	1	1 2	1 2 1 2 2 -	8 1	111111
St. Olave WH S. & L. Leather Market S. & L. St. Mary Magdalen W S. St. James Bermondaey - S. Rotherhithe WH S. & K.	11956 16300 15669 54682 36024	10 5 16 33 20	17 4 8 20 25	- 2 4 4 6	3 - 1 - 6 8	11111			11111		-	1	11111	2	3 - 1 -	5 1 1 2 2	13 4 7	1111
Waterloo-road 1st H L. & 8. Waterloo-road 2nd H L. & 8. Lambeth Church 1st H - L. & 8. Lambeth Church 2nd W W - L. & 8. Kennington 1st 8. & L. Kennington 2nd 8. & L. Kititon w L. & 8. L. & 8. L. & 8.	15195 16351 19876 39859 45292 35332 6287 19017	13 15 10 21 39 18 31 10	5 7 13 21 16 12 20	1 3 5 4 4 1	1 2 1 8 4 8 8 8 5	1111111	1 2	1111141	- 1 8	1	1111111	111111		1411111	1 1 2	1 1 2 - 1 - 1 - 1	10 13 -	1 - 2
East Battersea	5467 5 52587 36380 28004 13235 25553	44 43 16 20 8 20	19 34 6 17 3 13	6 9 - 4 2 3	3 10 5 2 1 6	11111	-	11111	- 2 -	1 1 1	11111	1	111111	111111	2 2 1	2 3 - 2 -	11	11111
Dulwich L. & S. Camberwell S. & L. Peckham W S. t. George Camberwell - L. & S.	5590 59104 71089 50810	3 44 45 34	1 48 31 19	1 10 7 5	21 3 2	1111	3 9 4		2 2 -	1111		<u>i</u>		- 1	1 2 -	2 4	16	ī -
st. Paul Deptford w K. St. Nicholas Deptford K. Greanwich West H K. Greanwich East WHH K.	76752 7901 21972 24608	65 1 8 11	47 10 28	9 - 3 6	10 - 3 8	1 1 1 1	4 -	4	6			2 -			1111	1 1	9 -	1
Eltham H K. Lee H K. Lewisham WH K. Sydennam H L.	5048 21559 19865 36076	4 6 9 9	2 6 7 3	3 1	2 2 1			0 0				-	-	-	1111	1111	1	
Charlton H/I K. Woolwigh Dockyard K. Woolwigh Arsenal HH K. Plumstead, West H K. Plumstead, East W K.	10930 17617 19048 14009 19241	5 11 8 15	6 7 8 5 10	2 5 2 1	2 2 1 - 6	11111	2 1 1 -	11111	1 1111	11111	1111.		1111	1	11111	1	5	
Hospital Ships and Camp, Dartford — Winchmore Hill Hospital — — — — — — — — — — — — — — — — — — —	-	11111111	1 1 2 4 - 1 1	11111111	1	111111111	11111111	1111111	11,111111	11111111		1111111111	111111111	111111	111111111	11011111	1 1 2 4 - 1 1	11111111

TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAY WORKHOUSES, HOSPITALS, and ASYLUMS).—Area; Population; Births and Deaths registered during the Week ending Saturday, 8th November, 1890.

egis-		Area							The D	EATHS	regist	ered Im	the V	Veck i	nelude			
ration		in Acres,	Enume-			Dont	hs of				Death	s from						
Nistrict and Sub- iistrict Num- hers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Moasles.	Scarlet Fever.	Diphtheria.	Whooping-oough.	Fever.	Diarrhose.	Violence.	Inquest Cases.	Deaths in Public	Uncertified Causes of Death.
LON	IDON - OUTER RING	870,924	950,957	781	416	100	99	-	49	6	17	8	8	5	11	23	24	4
30:1	Carshalton wL - Epsom (part of) WwH	12228 9971	21118 10710	8	6 2	4	-	-	-		1 -	1	-	-	71		-	-
37:1	Godstone (part of) * -	2754	1235			-,	-	-	-		-	-			-1	-	-	ī
38:1	Croydon Ww L -	20851 11697	101241	72 10	43	3	10	-	-	-	13	-	1 -	1 -	-	-	8 -	-
39:1	Wimbledon HHH -	3220	15950	15	4	-	-	-		-	-	-	l-	-	-	A == .	-	-
3	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	20	8	8 -	1	-	-			-	-	-	-	-	1 -	-
4	Hampton H	4873	13539	8	7		8	-	-	-	-	-	1	-	1	1	3	-
40:1	Richmond WH Mortlake	2272 2941	\$1302 12331	12	11 5	2	-	-	3	-	-	-	-	-	-		0	-
6:1	Bromley(pt.of)*HBHH		81143	80	5	2	1 4			-	-	-		1	Ŀ	-	2	-
42:1	Chishrst(ptof)* WHH Rexley H	14807 18487	15844 24134	18	7	3	2	-	-	_	-			_		1	_	-
2	Dartford (Ww, pts. of)*		-	-	-	-	-	- 1	-	-	-	-	ŀ	-		-	-	~
124: 1	Staines W-	11055	11683	6 14	10	3	2	-	2	-	-	1 -	- 4	-	1 -	1 -	-	4
125:1	Hillingdon WHH -	6029	10802	6	8	H	3	-	-	-	-	-	-	-	-	-	1 .	-
3	Uxbridge	6178	5225 11523	2	-	-	2 -		-	-	-	_	-	-	-	-		- 4
126: 1	lsleworth WHH -	7008	22727	14	10	2	-	-	. 1	1	-	1	-	-		2	3	
8	Twickenham H Brentford HL	2477. 4845	12479 27649	8· 16	6 20	3	5	-	5	1		1	1	-	1 .	1	-	-
8	Chiswick	1340 608 3	15975 22876	12 26	6	1 5	2	1	2 2	-	-	-	-		-		-	7
127 : 1	Harrow H	13809	12796	4	7	1	8	-	1	-	-	-	-	-	-	-	-	
3	Edgware H Willesden	6994 4383	3749 37453	3 37	1 18	4	3	-	1 -1	-	1	-	-	-	-	1	1	- 2
4	Hendon W	8382	10484	6	8	8	2	-	-	-	-	-	•	-	-	1	1	*
137:1	Bushey Watford (W, pt. of) -	9831	6621	4	1 -	-		-	-	-	-	-	-		-	-		-
128 . 1	South Min.ms	15599	6391	4	-	-			-	-		-	-	-	~	-	•	-
3	Barnet Finshiey HL	£433 4683	10092	5 13	-5 1	1 -	1	-	1 -	-	-		-	Į.	-	1		1
185 : 1	Hatfield (part of) * -	3306	583	-	1	-	-	-	-	-	-	-	-	-		-	-	-7
198 : 1	Hornsey H Tottenham H	3039 4649	37078 46456	22 56	16 17	4 9	7	-	2 -	1	-	-	-	-	3	2	-	- 3
8	Edmonton Nw -	. 7483	23463	26	13	1	. 8	-	-	-	-	2	-	-		2	4	+
5	Enfield WH Waitham Abbey	12658 11017	19104 5368	18	12	6	-	-	2	-	-	-	-	-	-	1	-	-
6	Chesnunt H	8480	7785	8	5	2	-	-	-	-	-	-	-	1	-	-	-	-
186:1	Stratford West Ham wHHH -	882 4055	38506 90347	33 73	16 78	2 14	4 11	-	23	- 8	-	-	2	1	1 4	2	-	1
8	East Ham www	3296	10708	23	11	2	3	-	-	-	-	-	1	-	-	1	-	1
3	Waithamstow H -	4872 6520	32430 28869	51 88	82 11	2	6 8	-	3		1 -	1 -	1	1	1 -	2	4 -	ı.
187:1	Chigwell (part of) * H	11761	9669	4	7	3	-	-	2	-	-	-	-	-	-	-	-	ì
189:1	Epping (W, pt. of) Romford (part of) * W	6730	3411	5	1		-	-	-	-	-	1	-	-	-	7	-	1
2 8	llford Barking Town	8498 4127	7645 9203	10 8	2 8	1	- 1	-	-	-	-	-	-	-	-	-	-	7

The parts of sub-district, except the parishes of Assatead and Headley (pop. 1985); 37:1, the parishes of Waringnam and Parley in Godstons sub-district; 39:3. Esher sub-district, except the parish of Esher (pep. 1983); 31:1, the parishes of Waringnam and Parley in Godstons sub-district; 39:3. Esher sub-district, except the parish of Esher (pep. 1983); 41:1, Bromley sub-district, except the parish of Marian and Ronckholt (pop. 1818); 41:2, Chilelentra sub-district, except the parish of Chelsfeld (pop. 947); 136:1, the parish of Norshaw in Hatfield sub-district; 187:1, Chilgwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district; also deaths in Workhowse belonging to the Outer Ring in 49:2, Darlford, 187:2, Watford, and 187:2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 8th November, 1890.

	Area			LRATE			The Ds	4TBs	regi	erered	in t	he W	eek i	neiud	e	
GREATER	in Acres,	Estimated		0 living.	DEATHS	Deat	ths of			. 1	Death	s fro	20,			Publio
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.	Desths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13	11.	15	16
REATER LONDON	448,334	5,758 500	19.8	2.9	2181	493	495	-	123	29	67	28	37	31	76	456
INNER LONDON -	77,410 370,924	4,421,661 1,336,839	20°5 17°4	2.6	1735	393	393	-	74	23	50	20	29	26	65	432
OUTHE MING	0,0,024	1,000,333	17.4	3.6	446	100	99	-	40	6	17	8	8	5	11	24

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700°522 square miles, which is equivalent to the area of a circle having a radius of 14°933 miles.

TABLE 8.-BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

	POPULATION					ANNUAL	Di	EATHS		PRIN DISEAS	ES.	ZYMO	
Сітіве.	(enumerated or estimated).	DATE OF RETUR		BIRTHS.	DEATHS. of Stillborn.	DEATH- RATE per 1090 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
CALCUTTA	433,219	September	20	_	4,1	1		-	-	_	-	-	
BOMBAY	773,196	October	14	314	401	22.5	_	1	,	,	2	124	25+
MADRAS	398,777	September	26	403	417	54.3	1		9	2	2	119	115+
PARIS	2,260,945	November	1	£34	872	20.1	-	9	3	25*	9	22	35
RRUSARLS with 8 Faubourgs.)	477,288	99	1	248	154	16.8	-	1	-	-	1	î	13
AMSTERDAM -	406,302	37	1	-	-			-		-	_	-	
ROTTERDAM -	203,486	33	1		_ '	_	-	-		-		-	
THE HAGUE .	156,497	39	1	-		-	-	-	-	-	-	-	-
COPENHAGES -	312 387	92	1	197	125	20.9	1 -	1	1	3	1		3
Brockholm -	236,350	October	25	127	78	17.2	_	_	5	2*	1	2	. 6
CHRISTIANIA -	143,300	November	1	48	55	20.0	-	-	5	5	-	_	8
St. Petersburg	924,466	October	25	-	37 0	20.9	8	3	18	7	1	14	25
BERLIE	1,547,533	,,	18	843	520	17.4	-		2	26	5	4	52
HAMBURG(State)	591,647	"	25	363	173	15.2	-	-	5	6*	. 1	1	20
DRESDEN	269.250	99	25	142	74	14.3	-	1	-	8*	1	1	5
Breslau	324,400	November	1	190	155	25.2	-	-	9	9,	1	-	10
MUNICH	298,000	22	1	-	153	26.7	-	-	3	8*	2	-	26
VIRNNA	822.176	33	1	450	353	22.3	-	3	3	8	-	200	25
PRAGUE	314,425	33	1 -	-	139	23.1	1	1	. 1	2	3	1	2
BUDA-PESTH -	463,017	October	25	257	260	29°2		1	17	31	-		18
TRIESTE	160,092	November	1	81	81	26*3	-	-		4*	-	2	4
Rome	417.392	October	11	180	147	17.7	-	-	-	. 4	-	· 11‡	14
TURIS (10 days)	314.827	September	30	-	60	-	-	-	-	-	-		, -
VENICE	156.800	October	18	71	87	28.9	9	1	-	1	-	5	6
CAIRO	374,838	33	2	359	288	40.0	-	-	-	-	3	18	82
ALEXANDRIA -	231,396	18 ,	2	175	158	35.5	-	-		2	1	8	46
NEW YORK -	1,617.997	,,	18	`-	618	19.6	-	7	4	15	6	14	41
BROOKLYB .	871,852	3)	18	-	342	20.3	- 1		7	15	10	5	21
PRILADRIPHIA -	1,064,277	39	11	-	-		-	-		-	-	-	-
RALTIMORN -	500.343	31	18	-	166	17.3	-	+	-	7	4	10	4
NEW ORLEANS-	254,000	**	4		128	26.3	-	-		5	.1	3	8
				1	1	J	1						

Including deaths from croup.
 Including 1 death from cholera in Bombay, and 29 in Madras.
 Including 8 deaths from malarial fever.

TABLE 9.-METEUROLOGICAL OBSERVATIONS taken at the HOYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 87H November, 1890.

1	_		5	1 0	0	0	9	0	-31	0	10		110 0					- (- 0:	
				0.0	0.0	0.0	0.0	1.0	8.8	0.0	9.0	27	of the	or, are ussion r, and ading	duced Lygro	aphic	" and	and a che		show to the	os in. by
	Rain	in a Gauge Whose	surface is 5 inches above the Ground.	in. 0.15	90.0	00.0	0.16	0.59	0.11	00.0	Sum 0.77	26	vel of the sea;	momete a a disci aromete mean re	are decher's H	photogr tal move 875.	higher,	deptiord as fron ometer.	s. strong; and	rument,	o 29.06
		n's.	Depar- ture from Average of 16 Years.	Miles. +152	+ 59	+	+ 20	+ 43	+523	+	Sum +806	25	m. The	ced from the bor the bor treeted ings of the	operatur umidity by Glais	horizon ending 1	licates "	struction Electr	erute; s	sunstance instrument, shown nderstood as applying to the	reased t
	2	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	336	280	208	321	802	286	Sum 2752	24	of the mean	ons dedu lons dedu lig 1873 f ith the co	the mean daily value of temperature of the air temperature and degree of humidity are deduced and wet bulb thermometers by Glaisher's Hygro-	liscussion that of 16 years	at a dept	of the Market, under instructions from Thomson's self-registering Electrometer.	m. mod	underst	3rd; dec
	ometers		an 24 irily 8.	lbs.	7.0	0.0	1.0	9.0	3.4	6.0		23	above ea leve	orrecti rs endi rs. W	y valu nd deg therm	om a (68, and or the	ended	rket,	weak;	to be	the be
	n Anem	Pressure on the	Least. ho	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0		22	ce to s	on of control of contr	n dall	ding 18	re in n	he Ma	e; w.	day.	3 in. a.
۱	ced froz	Pressu	Great-	lbs. 1	7.3	1.0	9.1	4.2	8.8	3.1		21	to redu	plicati plicati e twen therm e corre	e mea	at deri	be born	k of t	negativ	on each	n. by r
	Wind as deduced from Anemometers.	Osler's.	P.M.	W. & WSW.	SW. SSW.			SSW. & S.	W. NW. &		WSW.	20	The howin of the cistern of the barometer is 139 leet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. Observations are usually taken at 90, A.M.; Income, 30, A.M.; and 90, P.M. The means of the content of the bounding that the day of the content of the bounding that the day of the content of t	expressings on the partitioners, the try but outside and to we but outside a discussion converted into mean daily values by the application of corrections deduced from a discussion of the photographic recovers made during the twenty years ending 183 for the barometer, and during the twenty years ending 183 for the thermometers. With the corrected mean reading of the dry bulb thermometer is eventing the twenty years ending 1838 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum.	and minimum thermometers, forming the mean daily watte of the carperature of the air (column 8). The mean daily deep point temperature and degree of inunidity are deduced from the mean daily values of the dry and wet build thermometers by Glassher's Hygrometrical Tables.	The average temperature of the air is that derived from a discussion of the photographic proceds made at Greenwich during the 20 years ending 1958, and this of horizontal movement of the air from a discussion of the amenometric records for the 16 years ending 1875.	In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and — "Lower," than the average. "Lower," than the average. "The thermometers in the water of the Phames are suspended at a depth of two feet below	or are Jennes of the Market, under instructions from the Clerk of the Market, under instructions from 6 derived from Thomson's self-registering Electrometer.	nibols employed are: —P. positive; N. negative; w. weak; m. moderate; variable.	The Humber's incomin 2s, derived from the Campour-Stokes Sunstine Instrument, show the aggregate duration of Drights sunshine on each day. The results of all the neteorological observations are to be understood as applying to the cyll day, or from middinich to midunich.	The reading of the barometer decreased from 29.53 in. at the beginning of the week to 29.05 in. By noun on the 2nd, increased to 29.72 in. by noon on the 3nd, increased to 29.72 in. by 10.00 on the 3nd, increased to 29.73 in. by 3h. A.M. on the 6th; decreased to 29.79 in. by 3h. A.M. on the 6th; decreased to 29.79 in. by
		General Direction.					NIN	-			W 38.		n of the the taken	value value s made iding	ters, 1 nily de tes of	e of the durin	9 and ge. water	red b	F. pos	oright	reased reased rsed t
(al.)			A.M.	SSW. &	WSW.	SW. & WSW.	N.	WW.WSW	SSW.& W.	NW. WNW.	SSW.	19	the cistern seen applied to are usually to	mean daily thic record ty years en	and minimum thermometers, forming (column 8). The mean daily dew point from the mean daily values of the dry metrical Tables.	emperatur Greenwich discussion	In reading the columns 9 a "Cower," than the average. The thermometers in the wa	the surface, to the chiral of the their readings are registered. The record of Electricity is	red are :-	uration of l	f the barome 2nd; ince
er Roy	53	Water hames tford.	Low.	• :	:	:	:	:	:	:	:	18	the of has be	tograp tograp twen bulb t	num). Th mean	rage t ide at rom a	than	ings in of I	smploy	gate di ults o	ding of
onome	ATURE	Of the Water of the Thames at Deptford.	High.	0 :	:	:	:	:	:	:	:	17	The height of rection has be observations	erted e phol ng the	and minimu (column 8). from the me	rds ma	lower,	r read	symbols en v. variable.	aggree	he read
se Astr	TEMPERATURE		Lowest on the Grass.	35.6	32.0	35.2	34.8	31.1	0.15	31.2	34.5	16	Eorre O		Colu fron	reco of th	a: E	Contract	By L.	t 5	
Under the Superintendence of the Astronomer Royal.	T. TE	Of Radiation.	High- est in Sun's Rays.	0 67.3	0.89	0.88	0.72	81.2	2.29	\$8.4 **	6.74	15		frequent	overcast	night;	ast.	rwards		tle light	
tenden		Degree of Hu- midity	ration equals 100).	88	80	SS	81	100	74	85	61	14	só.	with fi	morning; 0	amounts of light cloud till night	ing; fli	ng; aftent	rind.	rith litr	
perin	ween		Least.	0.0	0.0	0.0	0.0	1.0	4.7	0.0	20.0	13	MARK	noon, ghtning		ight ele	morni	l evenii freque	Strong wind.	fine v erward	
the St	nce bet	the Air Temperature and Dew Point Temperature.	Great-	F.9	12.2	12.5	0.6	9.6	12.6	9.01	10.4	12	L RE	ll after	oudy i	ints of]	n early	cloud ti		able af	
Under	Differe	the Air and Ten	Mean daily value.	0000	2.4	2.1	7.9	4.5	1-1-	8.4	10 34	11	GENERAL REMARKS	reast t	ially el	ll amou	rain ii till ever	e light rong w	Overcast; occasional rain.	arly m g; vari	
		Of the Dew Point.	Mean daily value.	45.3	38.2	8.07	6.88	8.68	37.6	0.07	40.1	10	GE	lly overriable s	nd part ls, with	Fine with small en overcast.	eloudy 1	ith littl with st	st; occa	st in e	
	RE.		parture from Average of	6.1 +	1 2.2	1.0 -	- 1.3	1.1	9.0 +	+ 0.2	- 0.3	6.		Generally overcast till afternoon, with rann, wrondle afterwards. Lightning and nt 2h, 38h, P.M.	Fine and partially cloudy in afterwards, with occasional rain.	Fine with si	Overcust with rain in early morning; fine partially cloudy till evening; afterwards overcast.	Fine with little light cloud till evening; afterwards overcast, with strong Wind and frequent rain.	Overca	Overeast in early morning; fine with little light cloud till evening; variable afterwards.	
		ir.	Mean daily value.	9.84	44.5	45.9	6.44	43.2	45.3	8.44	45.2	00	above rizon.	9.2	9.6	6.6	₽.6	6.3	3.6	6.6	Sum 65.5
	TEMPERATU	Of the Air.	Daily Range.	15.8	11.5	13.3	9.8	15.8	4.8	9.91	12.7	7	ed Sun e, Ho in h								
			Low-	1.07	38.2	0.07	· 07	35.7	8.17	7.98	39.0	9	Registered Sun above Sunshine, Horizon. in hours.	4.0	0.0	4.3	61	1.8	0.0	4.9	Sum 16.4
			High.	62.3	4.67	53.3	1.65	51.5	9.6	53.0	2.19	70		•	•	ng:	P. till after-	E 00	on:	ng:	
	BARO-	Mean daily reading	rected and re- duced to 32° Fahren- heit).	in. 29.083	29.423	29.088	29.439	29.461	29.093	20.383	29.581	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. generally		w. P. till evening m. P. at night.	and v. P. af.	w. P. till evening; v. N. afterwards.	w. P. till afternoon;	wards, w. P. after- wards, w. P. in morning; m. P. till evening;	night.
		Phases		Greatest DecN.	:	Last Qr.	Apogee.	:	:	•	:	87	ELE (For ex-	W. P. S	w.P.	w. P. m. P. at 1	oh. N. and v. P. a	v. P.	W. P.	wards. w. P. ii m. P. ti	w. l'. at
		0.	AXX	BER.	00	4	7.0	9	10	00		ol.	II.	c)	60	4	23	9	to .	00	
		1890.	Монти АИЗ	NOVEMBER.	Mow.	TUBS	WBD.	THURS	FRI	SAT.	MBANE	No. of Col.	DATE.	SUNDAT	MONDAT	TUESDAT	Wednesday	THURSDAW	FRIDAT	SATURDAY	
									-				-	-	-		_			_	

WEEKLY RETURN

DEATHS

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office. AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 46. 1890. Vol. LI. WEEK ENDING SATURDAY, NOVEMBER 15. [Price 11d.

> General Register Office, Somerset House, 17th November, 1890.

IN

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.1 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	ending		Marine St. Commercial		100	Weeks	ending	
Towns.	Oet. 25.	Nov.	Nov.	Nov. 15.	Towns.		Oct. 25.	Nov.	Nov.	Nov. 15.
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton -	28·3 19·9 25·7 23·0 20·8	24·3 18·6 27·9 26·6 19·3	25·3 20·2 22·8 28·8 21·9	21·3 19·4 18·1 26·1 21·9 16·9	Liverpool - London - Manchester Newcastle-on-Tj	•	20.6 19.5 29.4 25.9 18.6	23·7 21·4 31·6 24·0 24·6	24·1 20·5 29·3 22·7 24·1 14·7	21·8 20·2 31·1 25·9 20·8
Bristol - Cardiff - Derby - Halifax - Huddersfield Hull -	15·3 29·9 22·7 22·2 13·3	15·3 25·8 14·5 29·2 19·4 17·4 20·9	18·0 25·0 16·0 18·4 18·3 17·8 20·8	18.6 20.9 15.0 21.6 17.1 18.5 22.9	1		21·8 18·6 26·3 21·5 25·2 27·5	25·8 24·8 31·7 24·1 24·1 17·6	22·7 18·5 19·3 22·8 18·5 20·7 18·7 21·3	22·5 21·2 24·8 23·7 22·2 21·8

The highest annual death-rates, measured by last week's mortality, were :--from measles, 1.3 in Cardiff, 1.4 in Leeds, 2.5 in Brighton and in Oldham, 2.6 in Bradford, 2.7 in Bolton, 3.0 in Birkenhead, and 3.2 in Manchester; from scarlet fever, 1.0 in Manchester, 1.1 each in Salford, Oldham, and Sunderland, and 2.0 in Liverpool; from whooping-cough, 1.1 in Leeds, 1.3 in Halifax and in Cardiff, 1.5 in Birkenhead, and 2.2 in Norwich; from "fever", 1.0 in Preston; and from diarrhæa, 2.0 in Preston. The 56 deaths from diphtheria included 29 in London, 6 in Sheffield, 4 in Salford, 3 in Manchester, and 2 each in Birmingham, Derby, Leeds, and Newcastle-upon-Tyne. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2321 BIRTHS and 1709 DEATHS were registered. Allowing for increase of population, the births were 488 below, while the deaths exceeded by 37, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21.4 and 20.5 in the preceding two weeks, further declined last week to 20.2. During the first seven weeks of the current quarter the death-rate averaged 19.4 per 1000, exceeding by 0.4 per 1000 the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however; obviously somewhat untrustworthy.

The 1709 deaths included 63 from measles, 15 from scarlet fever, 29 from diphtheria, 25 from whooping-cough, one from typhus, 24 from enteric fever, 19 from diarrhea and dysentery, one from choleraic diarrhea, and not one from small-pox or from ill-defined forms of continued fever; thus, 177 deaths were referred to these diseases, being 32 below the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 7; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had been 95 and 74 in the preceding two weeks, further declined last week to 63, but exceeded the corrected average by 11. The fatal cases of scarlet fever, which had been 16 and 23 in the preceding two weeks, declined again last week to 15, being but one-third of the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 2117 scarlet-fever patients at the end of last week, the numbers on the preceding twelve Saturdays having increased from 1427 to 2122; 186 cases were admitted during the week, against 247 and 188 in the preceding two weeks. The deaths from diphtheria, which in the preceding week had numbered 50, and exceeded the number recorded in any previous week, declined last week to 29, and were 2 above the corrected average. The deaths from whooping-cough, which had been 19 and 20 in the preceding two weeks, further increased last week to 25, but were 7 below the corrected average. The 19 deaths from diarrhoea and dysentery showed a further decline, but exceeded the corrected average by one.

The deaths attributed to enteric fever, which had been 26 and 29 in the preceding two weeks, numbered 24 last week, being 2 below the corrected average. The Metropolitan Asylum Hospitals contained 194 cases of enteric fever, and one of typhus, on Saturday last; 20 cases of enteric fever were admitted during the

week, against 25 and 24 in the preceding two weeks.

Six deaths were primarily attributed to influenza, the number in each of the preceding two weeks having been 2.

The deaths referred to diseases of the respiratory organs, which had increased in the preceding five weeks from 197 to 465, were again 465 last week, and exceeded the corrected average by 48.

The age of a widow, whose death from bronchitis occurred in Kensington

Infirmary, was stated to be 100 years.

Different forms of violence caused 55 deaths, concerning all of which inquests were held. Of these 55 deaths, 5 were cases of suicide, while the remaining 50 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 8 by burns or scalds, 4 by drowning, and 19 (including 16 of infants aged under one year) by suffocation. The death of an infant was referred, after inquest, to the effects of chloroform "administered to reduce a nævus."

GREATER LONDON.

In Greater London 3038 births and 2154 deaths were registered, corresponding to annual rates of 27.5 and 19.5 per 1000 of the estimated population. In the Outer Ring 40 deaths, were referred to measles, 23 to diphtheria, 9 to diarrhoea. and 6 to "fever." Of the deaths from measles, 16 occurred in West Ham, 5 in Brentford, 4 in Bromley, and 3 in Mortlake sub-districts. Of the deaths from diphtheria, 14 occurred in Croydon sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.65 ins.; the lowest reading was 29.14 ins. at the beginning of the week, and the highest 30.13 ins. at the end of the week. The mean temperature of the air was 44°.5, and 1°.8 above the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on Sunday and Monday, corresponded with the average on Tuesday, and showed an excess on each of the other four days of the week. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 9.4 miles per hour, which was 2.5 miles below the average in the corresponding weeks of 16 years. Rain fell on six days of the week, to the aggregate amount of 0.28 of an inch. The duration of registered bright sunshine in the week was 16.2 hours, avainst 20.3 hours at Glynde Place, Lewes. week was 16.2 hours, against 20.3 hours at Glynde Place, Lewes.

					Births, Deaths, Meteorology.	475
	CHAMAC	AND BOROUGHS,	Cols.	- 28 Тоwив.	LONDON. BRIGHTON. PORTSMOUTH. PORTSMOUTH. PATAGOTH. BRISTOL. WOLVERHAMFTON. BIRMINGHAM. LINGERER. NOTINGHAM. LINERSPOL. BIRKENHALD. LIVERPOOL. HOUTERPOOL. BOLDON. MANCHISTER. OLDHAM. BAADFORD. HALLPAK. HULLEAK. BRADFORD. LIEBDS. BRADFORD. HULL. BRADFORD. LIEBDS. SURFFIELD. HULL. SUNDERLAND. NEWCASTLE.	EDINBURGH. GLASGOW. DUBLIN.
PATMEATT	YALL.	In Centi- metres.	24.	1.73	22:11 23:15 11:78 11:78 11:78 11:52 11:52	2.26 2.26
PATE		'septent ul	238.	89.0	0.985 0.	2.28 1.35 0.89
E AIR.	Mann	.absrgitnaU	100	28.9	6.94	6.11 6.11 Geokly
E OF TH	M	·lishrenheit.	21.	42.2	24.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	42.8 43.0
THEFRATORS OF THE AIR.		Parente Highest	20.	0.62	88.2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	7 6 8 7 9 27 23 29 50 50 50 42 0 55 6 22 5 79 EDIT 1 2 3 4 5 56 9 22 5 50 50 50 5 6 11 0 89 2 26 DUB 189
	1		19.	0.89	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	56.3
1 16ate 1000	the	From Diseases in Cols. 6-12.	18.	20.01	**************************************	3.0
Annual Rate per 1006,	to t	From All Causes.	17.	21.1	10.0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14.2 22.8 22.5
	ttb.	Uncertified	16.	100	81 02 1 1 1 1 1 1 1 1 1	117
		niadtasQ SildnY anoitutitanI	16.	669	000 8 8 8 8 11 11 11 11 11 11 11 11 11 11 1	27 27 27 27 27 27 27 27 27 27 27 27 27 2
П	-8	Inquest Case	14.	262	10 m 24 m 4 m 4 m 2 m 2 m 2 m 2 m 2 m 2 m	e. e. 10
ejnde		Violence.	18.	121	рами I та мози I то одити I о митосизива	81 1- 41
The DRATES registered in the Wesk include		Diarrhoss.	12.	64	छन।। नियम छ।।।। कम कका मक्छ। अथाऽऽऽध्य	81 00 00
the W		Ferer.	11.	58	। अनाना अन्यन्त्र। ४००।।अ।। अ वका।न्न	1021
red in	Deaths fron	Whooping-	10.	12	해 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 2 2 3 2 2 2 2	121
registe	Death	Diphtheria.	6	26	8 1 H 1 H 1 81 H 1 81 H 1 8 4 1 1 H H 1 1 81 1 1 1 1 1 1 1 1 1 1 1 1	HH!
ATE		Scarlet Fever.	00	99	D H L L H	so ⊢ 1
The Di		Mensles.	7.	156	89 1 1 1 2 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2	1 10 1
		.xoq-flam8	6	1		111
	the of	Persons aged 08 Tears and upwards.	.0	802	64 60 60 60 60 60 60 60 60 60 60 60 60 60	61 44
	Deat	lnfants under l Year of Sec.	*	917	88 9 1 8 9 1 4 4 4 4 4 6 8 8 8 8 6 6 4 4 4 4 4 6 8 8 8 8	16 88 88
d during	guipus :	DEATES.	43	3929	266 266 272 272 272 273 274 275 275 276 276 276 276 276 276 276 276 276 276	232
Registered during	the Week ending	BIRTES, DEATER	oi	5343	2321 84 46 66 69 138 108 108 108 71 71 71 72 73 73 73 73 74 73 74 75 76 77 78 78 78 78 78 78 78 78 78	125 327 148
	POPULATION setimated		7	9,715,559	4,421,661 142,562 -85,552 78,780 222,248 83,406 661,805 106,049 106,049 106,049 116,716 123,655 116,716 123,655 123,655 123,655 123,655 123,655 124,651 125,655 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,739 126,735 126,730 126,73	271.135 125 74 16 689.08 827 222 49 368,083 149 162 28
1			Cols.	1	· · · · · · · · · · · · · · · · · · ·	
j	Part India	AND BORUGHS.	5	28 TOWNS	LONDOM BRIGHTON PORTRACUTH NORWICH PLYMOUTH BRISTOL WOLVERHAMPTON BIRNINGHAM LEICESTER LEICESTER LEICESTER BIRNINGHAM BIRNINGHAM BIRNINGHAM BIRNINGHAM BIRNINGHAM BIRNINGHAM BIRNINGHAM BIRNINGHAM HAUDEN BRACHERIBİ BRACHERIBİ BRADORD LEBB BLACHUM BLACHUM BLACHUM BLACHUM BLACHUM BLACHUM BLACHUM BLACHUM BLACHUM BLACHUM BLACHUM BRADORD LEBB CARDINA BRADORD LEBB CARDINA	EDINBURGH - GLASGOW - DUBLIM ·

TABLE 2. LONDON .- Births and Deaths Registered in the FORTY-SIXTH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2343	2623	2503	2633	2558	2682	2830	2459	2606	2522	2803·1	2321
	1239	1330	1262	1360	1321	1381	1454	1207	1335	1275	1435·7	1151
	1104	1293	1241	1273	1237	1301	1376	1252	1271	1247	1373·4	1170
TOTAL Deaths Males Females .	1489	1434	1571	1651	1507	1557	1385	1638	1619	1451	1671·9	1709
	742	633	812	882	817	765	756	830.	848	748	859·6	874
	747	751	759	799	690	792	629	808	771	703	812·3	835

[•] The numbers in this column are the average weekly numbers in the forty-sixth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WE

1 ABL	E 3. LUNDUN.—B	IRTHS	, IJEA	1110,	anu n	LETE	DRULU	G I 111	the .	Last	LHIRT	EEN	WEEK	.5.
		Aug.	Aug. 30.	Sept.	Sept.	Sept.	Sept. 27.	Oct.	Oct. 11.	Oct. 18.	Oct. 25.	Nov.	Nov.	Nov. 15.
TOTAL	, Births	2487	2614	2469	2539	2355	2458	2433	2409	2412	2512	2295	2173	2321
TOTAL	Deaths	1629	1659	1514	1410	1375	1458	1413	1472	1741	1649	1817	1734	1709
Ages at Death	0-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & upwards	964 148 233 235 49	911 190 265 234 59	796 177 240 245 56	687 183 238 256 46	667 200 214 232 62	740 182 236 256 44	726 170 223 253 41	747 180 240 254 51	870 204 316 281 70	835 200 264 296 54	827 206 335 372 76	785 222 331 318 78	758 239 296 313 73
99 1	{Under 1 year - 1-5 - 5-20	603 292 69	525 282 104	459 247 90	395 217 75	376 227 64	429 207 104	433 193 100	436 213 93	491 260 119	429 306 100	413 303 111	393 283 109	392 257 109
Der the	frem Small-pox , Measles , Scarlet fever , Diphtheria , Whooping-cough Typhus Enteric fever SimpleContd fever Diarrhœa and Dysentery , Cholera	78 16 20 39 - 11 - 255 12	60 24 26 39 - 17 - 180 7	56 18 16 46 - 18 1 128 5	39 18 18 35 1 18 -	- 33 14 35 38 - 21 - 94	1 22 16 38 29 - 18 2 86 6	30 20 28 18 - 24 1 105	38 20 38 29 - 24 1 94 2	59 20 41 30 - 21 2 75	70 29 23 28 15 1	95 16 26 19 - 26 -	74 23 50 20 - 29 - 26	68 15 29 25 1 24 -
"	", all the above- mentioned Diseases	426	353	288	251	238	218	229	246	250	221	225	222	177
27 37 21	, Dis. of Respira- tory System , Phthisis - , Dis. of Circula- tory System	203 119 116	184 167 100	180 139 120	210 136 114	187 157 136	222 130 104	262 123 100	197 147 123	340 204 144	417 139 151	450 189 156	465 153 141	465 174 139
Inquest	Deaths Cases	54 105 343	57 105 364	54 98 891	55 109 360	43 83 360	52 103 377	61 107 334	49 113 346	52 123 3 97	50 114 382	57 119 395	65 143 432	131 409
Mean Mean	n of Highest readings -	59·0 69 0 51·8	54·4 66·5 46·0	58·4 71·0 48·4	59·4 73·2 48·2	60·4 71·7 51·0	58·8 69·2 50·9	56·7 66·3 49·3	54·8 64·1 45·5	47·7 56·5 39·8	48·2 54·4 43·2	43.6 50.4 36.3	45·2 51·7 39·0	0 44·5 52·4 37·3
_	ity of the Air	81	80	83 0.00	79	74 0·34	3 3	76	82	0:20	83	85	82	88
	ll in inches red Sunshine (in hours)	1		26.8	48.6	50.7	1	36.9	36.5	16.0	8.8	12.6	0.77	0.28

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Harthup, Esq., F.R.A.S., F.R.A.S., H. O. Pilkingston, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

TABLE 4. LONDON .- DEATHS Registered at several groups of Ages from different

AADLE 36		714,-	- D.	EATI	F	Reg	iste 7-si	red	at V	Vee	veral groups of Ages ek of the Year 1890.	from	diffe	rent	CA	USE	s ii	1 th	e	
	tor the 10 years		Sat	In turday	he	Week h No	end	ing ber 1	1890		11	the	1		In th	e W	eck	endin	2	
	10 to				ths	of Pe	rson					for the	1-		day,	15th	Neve	embe	r 189	
	ed Averages	-	1	**		e Ag	- 1	:1	2			Verages of the 1 80-89.	1	L	reath	s of l	Lges	ons of		
CAUSES OF DEATH	AAV Sks	.83	.	Un 20	der		10r 4	under 60	er 80	Bliu.	CAUSES OF DEATH.	8 of			Unde	r	40.	60.	360	7
	1 45 7	AGE	Ш						nuder	ara		Weeks	AGES.	П	20.	-	under	under	under	8 क्रायत ६.
	Corre 48th	ALL		0-1.	0-1	5-20.		to and	one of	upwards.		Corrected 46th Wee	ALL AC	1-1.	.5.	20.	and u	n pus	and us	Unwarde.
ALL GAUSES -	- 1671.9	170	1	92 25	1	-				73	Discount	04	1	1:	1-5.	5	- Fi	40.5	du h	00
(Vaccinated)	2.1	-	-	-	-		_	- -	-	-	Diseases of Organs of Special Sense †}	2 5	-	-	-	-	-	-	-	-
Small- pox Unvaccinated No Statemen		-		-	-	-	-	-	-	-	Diseases of Circulatory	118.9		-				-		
Measles	52.2	61		7 4	8	8	-	-			System}	110 8	39	3	1	9	20	45	54	7
Scarlet Fever	44.2	15	1	- 10		4	-	1	-	-	Croup Bronehitle	14'8	15	1 2	10	3		-	-	_
Typhus Relapsing Fever †	0.0	1 -					-	1	-	-	Pneumonia	954°4 106°2	277 129	89	44 33	5	6 14	32	75 16	23
Influenza	0.1	6	1	1 1	-	-	2	2	-	-	Other Diseases of Respi- ratory System -	5 9 35 4	37	8	6	1	2	3	2	~
Whooping cough	33:3	25		1 14		- .	-	-	-	-			-		_	_		-	8	3
Diphtheria Simple Continued and	26.5	20		1 18	1	8 -	- :	2 .	-	-	Dentition † Quinsy, Sore Throat † - Enteritis	10 3	6 2	3	3	-	-	-	-	-
Ill-defined Fever	25.7	1				- .	- -	-	-	-	Peritonitia _	7.0	21 9	12	1	1	3	ī	3	-
Cholera and Chol. Diarr.	0 2	21		- 2	1	3 5	1	£ .	1	-	Diseases of Liver	30 2	21	2	-1	3 -	3	9	6	1
Diagrhea, Dysentery -	18.1	19	11	1 3					3	1	Digestive System -}	23.8	37	8	4	4	5	6	9	1
Remittent Fevert Hydrophobia	0.1	1	1	-	1	1	-		-		Diseases of Lymphatic)					-	-		-	-
Glanders	0.1	1.	1								Diseases of Lymphatic System & of Ductless Glands † -	2.7	4	-	-		4	-	-	-
Cowpox and Effects of \ Vaccination † }	0.3	-	-		-								-		_	-	_	-1		_
Venereal Affections -	10.2	11	8	1				. 2			Diseases of Urinary }	43.1	42	- 1	1	5	8	12	13	3
Erysipelas	9.4	4	1	-	-	1	1	1										-	-	_
Pyzmia and Septiczmia † Puerperal Fever	3·0 6·7	2 5			2	1	1		-	-	Diseases of Generative }	5.8	5	-	-	-	1	3	1	
Other Zymotic Diseases †	2.1	2	1		-	10	1 -	1			Accidents of Childbirth -	4.1	8	-	-	-	8	-	-	-
Thrush	2.4	2	2	-					- -	-	Diseases of Locomotive	8.5	8	1						-1
Worms and other Para-)	0.4	2	1		1	-	-	-		-	System †}				1	1	2	2	2	
sitical Diseases}		_	_	-	1	1		-		-	Diseases of Integumen-	6.9	5				,			
Starvation, Want of Breast-milk † -	1.5	п		1:					-		nerly system)		-	-	- -	_		_ -	3	1
Alcoholism	5.0	12	-	1	-	1	-	-	1	-	VIOLENT DEATHS.									
Dhaw at				-	-	6	4	2	-	_	(ACCIDENT.)									
Rheumatic Fever. } Rheumatism of Heart†	9.8	13	-	-	3	6	4	-		. 11	Fracture and Contusion Gunshot Wound	22.4	15	_ '	2	1	4	-	6	2
Rheumatism †	2 3	3	-		-	-	1	2		.	Cut, Stab	0.0	1	-	-1		1	-	-	-
Rickets †	2°1 3°0	2 2		-	-	-	-	2	1.	-	Poison	7'0 1'4	8	-	3	2	-	1	2	-
Janoer	54.8	63		2 -	-	9	30	25	-	1		2.6	19	16	-	-	2 2	2	1	-
Pabes Mesenterica - Pubercular Meningitis -	27.8	18	13	3	-	2	-	-	2	-		2.2	3	2	_	-	-		1	-
Phthisis	23°3 176°5	18	9	6	3	-	-	-	-		(Homicide.)			1					1	1
crofula, Tuberculosis -	15 6	21	8	8	16	85	51	10	-		Murder & Manslaughter	1.5	-	- ;	- 1	-	-	-		-
Diseases †}	11.0	11	1	1	1	1	2	5	_	н	(SUICIDE.)			-		-			-	-
romature Birth	4110		-			-		-	-	-11	Gunshot Wound	1.6	-	_						
itcleetacis †	41°0 3°2	45	45		-	-	-	-	-		Cut, Stab	1.2	2 2	-	-		2 1	1	1	
ongenital Malforma-}	7.2	13	12	,	-	-	-	-	-		Drowning Otherwise	1.2 1.2 0.8	1		- 1			1 -		
Nd Age	51.3	45	-	1			-	9,	-	-		0 8				-		1 -	-	
poplexy		-		-	-	-	1	21	20		(Execution.)		-				-		1	
pilepsy	6.4	47	3	-	2	3	9	29	1			0.1	-			1	-	-		
onvulsions -	48.7		37	6	-	2	1	2	-	-					-	-	-	-	-	
ther Diseases of Brain }	80.6	85	7	14	9	7	17	29	2	11	OTHER CAUSES † 5	3.4	15 3	7 4	2	-	2	-	-	
* The numbers in this co			-	- 1		*				11		1	-	1	1	1	-			

years 1880-89, raised by 2°046 per cont. for increase of population.
for the eight years 1883-9 has been used.
vaccinated. Which are so certified by registered medical men. When
vaccinated, or when the cause of death is not certified by a registered is the Coroner to certify what or a violent death be the result of accident murder, " accident or negligonoe."

TABLE 5. LONDON. -POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

ABLE 5. LONDON TOTOMATO	1						The	DRA	THEF	ogist	red i	_	durin					
				Deat	ha of			-			hs fro				-			Γ
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881-	Total Biares.	Total DEATES.	Infants under 1 Year of Age.	Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typnoid) Fever.	Simple con-	Diarrhoa.	Violende.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON	3,815,704	2321	1709	392	416	-	63	15	29	25	1	24		19	55	131	409	2
West Districts North Districts Central Districts East Districts South Districts Methopolitan Hospitals and Asslums Cutside Registration London West Districts.	669,683 905,947 282,288 692,738 1,265,148	374 520 127 483 818	276 376 103 377 552 25	68 79 17 97 181	71 94 17 92 130 12		6 4 26 27	2 9 1 2 1 -	7 4 3 8 7 -	4 6 2 3 10 -	1	5 4 1 6 8		5 1 2 5	9 11 2 14 18 1	13 30 5 48 31 1	73 94 29 85 103 25	1
8t. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J. Kensington Town Wwo - W.M. & C. Brompton H - W.M. & C.	69883 87880 120141 43010	45 17 53 11 5	27 18 45 17	9 2 6 -	4 4 17 6		1 -		1	1	1111	2 -	-		1	2 - 1	6 18 4	
St. Peter Hammersmith St. Paul Hammersmith W.M. & G.J Fulham We Chelsea Kensal Town C.	7599 64340 42900 15049 42683 30896	61 62 13 16 16	28 31 7 23 16	10 9 4 5 8	7 3 2 9 1		3 -	2 -	1 - 1	1 2 -	11111	1		1 1	1 - 1	1 - 1	5 6 - 6 5 8	
Cheisea Solt W May Fair W Belgrave WHHH St. John Westminster HHH St. Margarei Westminster H St. James Westminster WHH N.R.s.G.J St. Anne Soho HHHHHH N.R.	80353 59220 35496 24679 - 29941	7 22 18 8 5 13	9 18 16 9 5 7	1 3 5 1 3 1	3 4 4 4 1 2	1 1 1 1 1	1		1	11111		1		1	3 -	2	7 -4 -2	
NORTH DISTRICTS. All Souls Marylebone HHHHHH W.M. Cavendish Square HHHH G.J. & W.M. Rectory Marylebone W - G.J. & W.M. St. Mary Marylebone H - W.M. Christohureh Marylebone H - W.M. Bt. John Marylebone H - W.M. Hampstead WullHHH N.R. & W.M.	24809 21118 33700 33638 45452	5 8 10 24 18 10 26	13 - 8 6 15 12 26	1 - 1 1 5 1 2	3 2 4 4 6	1111111	1 1	1 8	- 1	1		1		1111111	2	2 2 3	1 1 - 1 2	
Regent's Park Paneras H - V. Tottenham-court wHHHH N.R. W.M. Cray's Inn Lane HHH - N.R. Camden Town HH - N.R. Camden Town WH - N.R. Kentish Town W - N.R. Kentish Town W - N.R.	27729 30247 34369 17811 87487 67946	16 7 12 23 10 48 50	9 20 9 6 19 36 83	8 2 1 4 5 12 7	1 1 1 7 7 7 23 5		111111		1	1 - 1		1		2	41	2 2 - 1 1 7 5	10 5 10 8 20	
Upper Hollow Uppe	100976 61825 52048 22781 9277 87610 R. 76911	52 39 25 20 7 27 59 24	25 16 22 6 3 12 50	1 1 10	1 3 11 1	111111111	1 - 1	5		1 - 1 - 1 - 1 - 1		111111	1 1 1 1 1 1	1 - 2 -	1 1 1	1 1 - 1 - 2 -	1 - 21 -	
South Hackney CENTRAL DISTRICTS. St. George Bloomsbury St. Giles South WH - N.R. St. Giles North H - N.R. St. Martin-in-the-Fields HH N.R. & C. St. Mary-lo-Strand H- N.R. St. Clement Danca H - N.R. Strand Union Workhouse, Edmonton & St., Geothe-Marty HHHHHHH N.R. St. Andrew Eastern W N.R. St. Andrew Eastern W N.R.	16681 14864 13837 17508 7515 8559 	5 9 6 6 - 4 - 5 5 6 6	57 76 11 4 3	1 3 2	î			-		1 1			111111111	1 : 1 : 1 : 1 : 1	111 1111 111	1	- 4 - 3 - 3 1 2 	
St. James Constant N. Amwell Clerkenvell N. F. Pentonville N. F. Gowell-street N. F. City-road HHL N. F. Whiteeross-street N. F. Finsbury Union Workhouse, Mitcham W. St. Botolph H. N. R. St. Ectoloph H. N. R. St. Cotspan	17516 19281 1. 14773 1. 17506 1. 11541 1. 18628 2. 9217 2. 7488	7 8 13 9 18 5 3			2 1 1 1 1			.1				-		1	1	1111	2 - 1	
Cripplegate St. Sepulchre H N. St. Bride W N. Allhallows Barking - N. Broad Street H - N.	B. 18666	3 2	3	8 1				-	2	-	1111	-		-	-		13	

NOTE.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W-Wo house; H- Hospital; L-Lunatic Asylum; L*-Private Lunatic Asylum in which paupers are received; w-Workhouse Establishou house; given the companies which supply to differ sub-districts:—G. J. signifies Grand Junction Company; W. M. Wost Midliesex; G. Chelsen; S. Southwark and Yauxhall; L. Lambeth; N. R. N. River; E. L., East London; and K., the Kent Company.

ver, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in each Sub-district urday, 15th November, 1890.

							Th	e De	ATHS	regist	ered	in the	Wee	k inc	lude			
	Enume			Dea	ths of	1				Death						1	1	1
REGISTRATION SUB-DISTRICTS.	rated Popu- ation, 1881.	Total Births.	Total DEATHS.	Intants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Soarlet Fever.	Diphtheria.	Whooping-cough.	Typhua.	Enterie (or Typhoid) Fever,	Simple con-	Diarrawa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Ouvertified Causes of theses.
EAST DISTRICTS. predicts South HL^* - N.R. xton New Town & - N.R. xton Old Town N.R. gerston WH - N.R. & E.L.	22343 29937 28036	14 16 19	9 17 10	8 1 6	8 6 3	1 5 1	1	111	1 - 1	1	111	-		ī	1 -	2 1 1	3 5	- 1
ggerston WH N.R. * E.L. thnal Green North H E.L. thnal Green East WHL* - E.L.	46275 51157 34399	35 36 18	23 14	8 7 3 1	9 2 3	-	2 8	- - 1	1 1 1 1	1	-		-		1 1 2 -	3	9	-
talfields - E.L. & N.R. e. End New Town W - E.L. itechapel Church H E.L. & N.R. e. L. gate - N.R. & E.L.	22585 15473 17490 9713 6102	25 8 16 12 6 1	28 3 14 23 4 2	2 3 4 -	10 1 5 4 2 -	1 11111	4	11111	-			1 2	11111	1	1 4 -	2 2 1 5 -	10 12 -	1 1111
George's North E.L. John, St. George East W - E.L.	28747 8410	£0 6	16 5	8 -	8 2	-	1	-	2 -	-	-	-		-	-	3 -	3	
adwell H E.L. & N.R. cliff E.L. and E.L.	10995 16107 32041	2 6 19	8 4 18	8 - 8	1 1 3		11	-	-	1	-	1		1 1 1	3	3	5 -	ī
e End Old Town West H - E.L. e End Old Town East WwwH- E.L.	37960 67653 37074	48 41 25	23 35 20	13 9 3	3 9 6		3	-	ī	=	-		-	1 1	1	2 2	2	2 -
plar. WWH E.L.	64359 55077	59 40	41 32	6 9	11	=	7	1		1 1 1	1 1 1	2 -	-	1 1 4	1 2 -	6 2	21 31	
SOUTH DISTRICTS. L. & S.	13663 14999 21381 15958 21318 26672 59555 21623	3 16 13 8 15 14 29 26	2 5 9 8 9 9 11	1 8 - 2 2 4 5	2 2 2 1 2 3 10	1111111	1111122	11111111		1 2 -	11111111	- 1 1 1 1	111111		1	1 2 2	2 - 2 - 7 - 7	1
Olave WH 8. & L. Ather Market 8. & L. Mary Magdalen W 8. James Bermondsey - 8. herhithe WH 8. & K.	11956 16300 15669 54682 86024	6 8 20 33 16	22 4 10 14 15	1 2 2 2 3	2 - 1 4 8		11111	11111	1	- 1	11111	1	1.11	1	3 2	3 - 2	17	11111
terloo-road 1st # -	15195 16351 19876 39859 45232 35832 62837 19017	4 12 8 31 33 13 30 10	3 5 15 20 18 16 13 7	3 2 3 5 1 1 2	1 1 1 8 5 6 2 2	1111111	THITTE	1111111	1111	1	111111	1	11191111		1 - 1	1 1 2 -	11 8 -	1 1 1 1 2
Battersea	54675 52587 36380 28004 13235 25553	36 48 20 25 13 21	19 25 8 12 2 11	7 8 2 3 1	1 5 2 4 -7	111111	1 2 -	11111	111111	111111	11111	1	1111111	111111	11111	111111	ī 1	1
wich L. & S. horwell S. & L. kham W S., L., & K. George Camberwell - L. & S.	5590 59104 71089 50810	52 54 34	2 42 38 23	7 13 10	14 7 8		2 8	1111	1111	1 2 1	1111	11.11	1111	1111	1	1 2	23 4	2 2
Paul Deptford & K. Nicholas Deptford K. enwich West H K, enwich East WHH K.	76752 7901 21972 24603	61 3 14 16	36 5 6 12	10 1 1 1 1	1 2 4	11.1.1	4	1	8 -	1111	1	1	1111	1111	1 - 1	2 1 - 1	4 - 6	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	1 1 15 10	2 8 7 10	2 3	- 4 1 3	1111		7 1 1 1	1111	. 1 1 1 1		1	1111	1111	- 2 -	- 2 -	1 3 1	1111
riton HH K. Diwich Dockyard K. Diwich Arsonal HH - K. mstead, West H K. mstead, East W K.	10930 17617 19048 14009 19241	6 13 12 9 26	6 14 5 6 15	2 6 4 2 4	1 2 1 1 4	11111	3		1 1 1 1 1	11111		11111		11111	2 - 2	3 - 2	- 4	1
pital Ships and Camp, Dartford - ehmore Hill Hospital rham Asylum - euth Asylum - escalen Asylum - stead Asylum - et Hill Asylum - well Asylum - evil Asylum - evil Hasylum	111111	111111	3 8 6 4	111111	3 1 1 2 -	1111111	11111	111111	1111111	111111	111111		1111111	- 1	111111	111111	3 3 6 4 1	1111111
well Asylum	- 7 1		4 4 -		3 2 -		-	-	-	-	-	-		-	1 -	1 -	4 -	111

TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS) AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 15th November, 1890

'egis-		Area						- 1	The D	EATHS	registe	ered in	the V	Veek i	nelude	!		
ration	4	. in Aeres,	Enume-		1	Deat	ths of				Death	from						
Oistrict and Sub- listrict Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measion.	Scarlet Fever.	Diphtheria.	Whooping-cougn,	Fever.	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Public tustitutions.	Thomsided Canan
LON	TOON - OUTER RING	370,924	950,957	717	445	91	125	-	40	3	23	5	6	9	9	25	40	-
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	8 4	4	1 -	1 8	- 1	-	-	1	-		7.7	., = , =:d		8	
37:1	Godstone (part of) * -	2754	1285	1	-	L-I	-	-	-	-	-	-	-	-	-	-	-	
38:1	Croydon Ww L -	20851	101241	64	49	12	15		-	-	14	-	-	1	-	-	6	
39:1	Mitcham w Wimbledon HHH -	11697. 3220	17982 15950	19	8	1 2	3		-	-	1					1		
2	Kingston WHH-	8549	36354	24	12	1	5		- 1		-	-		20.00	. 1	2	1	
	Esher (part of) * - Hampton H	6601 4573	9221 13539	10	5 5	1	4	-			-	_	-	-	-	-		
40:1	Richmond WH	2272	21302	10	9	-	2	-	-	-	-	1	-	-	8	8	3	
2	Mortlake	2941	12331	8	6	1	1	-	3	-	1		-		1	1		
41:1	Bromley(pt.of)*HBHH Chishrst(pt.of)* WHH	15669	31142 15844	15 5	18	5	5		-	-	-	-	, -	-	-		1	
42:1	Bexiey H	18487	24184	18	5	1	2	~	-	-	-	-	1 -	-		-		
124:1	Dartford (Ww, pts. of)*	11055	11683	6	3	-	1	-	1	_		-						
2	Sunbury w	18277	12039	8	4	1	1	-	-	- 1	-	-		-	- 1	-	2	
125:1	Hillingdon WHH -	6029	10802	6	1	1	. 1	-	-	-	-		-	-				
. 3	Uxbridge Hayes wHL	6178 14587	\$225 11\$23	9.	3	3	2	-	-	-	-	-	-	1	- 1	1	1	
126: 1	Isleworth WHH	7008	22727	15	11	1	4		-	-	-	-	1,	-	H	2	2	
3	Twickenham H Brentford HL	2477 4845	12479 27649	23	6	2	5	-	5	-	1	2 -	1	-		1	1	
4	Chiawick	1840	15975 22876	11	9	8	3	-	1	- 1	-	7	-	-		1	-	
127 :-1	Acton wH	13809	12796	11 6	11 2	1	-	-	1	-	1	:		i				
2	Edgware H	6994	8749	,1	1		-	-	-	-	-	-		-	-	1	7	
8	Willesden Hendon W	4383 8382	27453 10434	32 7	10 5	5	1	-	-	- "	-	-	1	2 -		1 -	1	
137:1	Bushey	9831	6621	4	. 2	-	1	- 1	-	-	-	-		-			, T. ,	
128:1	Watford (W, pt. of) -	15500	6391		-			-	-	-		-	-		-			
2	Barnet	15599 £438	10092	2 4	6		1 4		1	-	-	-		4		1 %	1	1/2
135 : 1	Finchiey HL	4683	17615	10	5		2	-	-	-	-	-	-	-	-	-	1	
190 : 1	Hatfield (part of) * - Hornsey H	8806	588 37078	25	11	4	- 4	-	1					1		1		
2	Tottenham H	4642	46456	45	85	4,	6	-	1	. 3	1	-	2	-	1,	2	2	
3 4	Edmonton Ww : -	7483 12653	19104	24 14	11 7	1	3 2	7	9	-	7.	3	-		1	i	4	
5 6	Waltham Abbey Cheshunt H = -	11017 8490	3368	5	4	-	2		- :		7	-	-	-	-	-	-	
186:1	Stratford	882	7735 38606	. 7	3		1		1	1	1				1	1		
2	West Ham wHHH -	4055	90347	100	57	14	10	-	16	-	-	-	1	1	1	2	1	
8	Leyton WwL	\$296 4373	10706 32480	15 35	9 36	5 7	1 11	-	1	-	1	1	-	-1	1 - 1	2	8	
8	Walthamstow H -	6520	28869	82	14	3	3	-	-	-	-	-			- '	1	-	
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9669	8 -	2 -	1 -	-	-	1	1	-	-	-	-	-		-	
189:1	Romford (part of) * W	6730	3411	2	-	-	-	-			_	-			-	-	-	1
2	Ilford	8498	7645	1.7	4	-	1	-	1	-	1	-	-	-	-		-	1

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow: \$0:2. Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1235); 37:1, the parishes of Warlingham and Farley in Godstons su district; 39:3. Esher sub-district, except the parish of Esher (pop. 1983); 41:1, Bromlay sub-district, except the parish of Method (pop. 1818); 41:2, Chisleburat sub-district, except the parish of Chelafield (pop. 947); 135:1, the parish of Northaw in Hatric sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 879); 189:1.3, the parish of Dagonham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

Table 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 15th November, 1890.

	Area			L RATE			. The De	ATH	regi	stered	l in t	he W	eek	inolu	de	
GREATER	Acres,	Estimated Population,		O living.	DEATHS	Dent	ths of			1	Death	is fro	m	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Publie
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	-	13.		15.	-
EATER LONDON	448,334	5,758,500	19.5	2.4	2154	483	541	_	103	18	52	30	31	28	64	449
INNER LONDON - OUTER RING -	77,410 370,924	4,421,661 1,336,839	20·2 17·4	2·1 3·4	1709 445	392 91	416 125	-	63	15	29 23	25 5	25 6	19	55 9	40:

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 8.—Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,320,475 Persons.

	POPULATION					Aware	. D:	BATH	FROM	r Prin Diseas	CIPAL ES.	ZYMO	TIC
CITIMS.	(enumerated or estimated).	DATE OF RETUR Week endi		BIRTHS. Exclusive of	DEATHS.	ANNUAL DRATH- BATB per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoal Diseases.
LCUTTA	433,219	September	20				1 -						0 4
MBAY	773,196	October	21	325	384	21.5	1	1	,	2	P	110	29
ADRAS	398,777	33	3	1 1 mg m (1	-	-		-	-	-		110	29
RIS	2,260,945	November	8	1115	1006	23.1	-	11	3	0++			
BUSSELS h 8 Faubourgs.)	477,288	20	8	223	187	20.4	-	1	-	25*	2	9	57
MSTERDAM -	406,302	33	1	245	156	19.9	-	5	1	1	. 1	5	
OTTERDAM -	203,486	23	1	121	75	19.1	-	1	4	-	i	_	
B HAGUE .	156,497	39	1	83	73	24'1	-	1	_	-	1	- 2	
PENHAGES -	312,387		8	243	114	19.0		1	3	5	2		
OCKHOLM -	236,350	,,	1	119	81	17.8	-		8	2*	3	1	2
RISTIANIA -	143,300		8	42	37	13.4	-	-	4	3	-	1	13
PETERSBURG	924,466	25	1	-	- 1	-		-	-	-	-	-	: -
RLIN	1,547,533	October.	25	789	481	16.1	-	-	8	36	4	3	43
AMBURG(State)	t91.647	November	1	447	250	22.0	-	-	4	6*	3	2	30
RESDEN	269.250		1	142	97	18.7	-	-	2	9	-	12	10
ESLAU	324,400	23	8	214	154	25.1	-	-	1	10	1	4	-7
UNICH	298,000	33	8		. 119	20.8	-		-	8*	6	2	13
BRHA	822,176	23	8	415	322	20.4	1	1	2	6	-	-	23
AGUR -	314,425	99	8	- ,	160	26°5	1	-	3	5	1	-	3
DA-PESTH -	463,017	19	1	284	246	27.6	-	-	10	20	-	4	16
IRSTE	160,092	b	8	94	.80	26.0	-		-	3*	-	-	ĕ
EMI	417,392		18	-	-	4.	-	-	-	-	-	-	
TRIN (10 days)	314.827	September	11	253	147	17.0	1	1	-	-		5	27
MICE	156,800	October	25	64	103	34.3	8	2	2	4*	-	-	14
TRO -	374,838	ы	9	349	317	44.0	Nag.	-	-	3*	1	18	99
BEANDRIA -	231,396	99 1 1 2 1	9	179	153	34.4	-	-	-	3*	-	6	. 51
W YORK -	1,617,997	23	25		601	19.0		5	2	20	10	7	23
OOKLYN -	871,852		25	-	324	19.2		3	5	14	3	5	73
HADELPHIA -	1,064,277		25		340	16.7	_	-	3	14	5	9	. 9
LTIMORE -	500,343	n	25	-	148	15.4	_	-	1	10	1	3	6
W OBLEANS -	254,000	3)	11	-	124	25.5	-	- 1	-	4	2	3	7

^{*} Including deaths from croup.

Table 9.—METEUROLOGICAL OBSERVATIONS taken at the Roxal Observatory, Greenwich, during the Week ending Saturday, 15th November, 1890.

					_										07001						
			Ozone		0.0	1.0	0.0	0.0	0.0	0.0	9.0	27	1; no	ssion and	num air uced	'gro-	and	and the	The	works 4-bo	33 in.
ı	Rain	collected in a Gauge whose	receiving surface is 5 inches above the Ground.	in.	0.02	0.05	0.14	10.0	00.0	0.02	Sum 0.28	26	f the seg	the means of thermometer, from a discuss ne barometer, a	he maxing of the are ded	photogra	375. higher,"	of two feet below it at Deptford, and ructions from the	meter.	ument,	ek to 29.
ı			Departure from Average of 16 Years.	Miles.	0	-153	- 63	-110	-101	- 29	Sum +415	25	n level o	ulb ther ced from or the ba	eadings of the maximum temperature of the air of humidity are deduced	of the horizont	icates "	n of tw ket at D struction	Electro	ne Instr	f the wer
	,	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	280	395	219	177	189	264	Sum 1582	24	the mea.	he wet b ons dedu ug 1873 fo	the corrected mean of the readings of the maximum the mean daily value of temperature of the air temperature of the direction of the direction of the degree of inunities are deduced and wast built thorougher. In Clash we was built thoroughers in Clash we was the condition of th	iscussion that of	tric records for the 16 years ending 1875. be borne in mind that + indicates "higher".	at a dept ttle Mar uder in	is derived from Thomson's self-registering Electrometer. The positive; N. negative; w. weak; m. moderate; s. strong; and	s Sunshi	ginning Ith; and
ı	ometers		an 234 urly 18.		1.0	9.0	0.0	0.1	1.0	0.0	.	23	above	and to orrections sendings. Wi	ear of valu	om a d	ind th	ign Carket, v	self-re	-Stoke	the be
ı	a Anem	Pressure on the	Least. ho	-		0.0		0.0	0.0	0.0	:	29 2	59 feet ce to se	i one ter on of c by year	cted m daily	ved fre	ords fo	e suspe e Fore	mson's	day.	in.at
ı	Wind as deduced from Anemometers.	Pressu	Great- Le	1bs. 11		1.0			2.1	0 2.1	:	21 2	ter is 1	therm cherm colication twen	the corrected mean of the r the mean daily value of temperature and degree of	ut deri	ric rec	of the of the	n Tho	he Cal n each ervatio	m 29.1 by 9h.
ı	as dedu	Osler's.	1								1	1 2	arome dings t	the apling the	ned the	is the	will k	jetties Clerl	derived from	from thine of	ht. sed fro
I	Wind	General Direction.	P.W.		WSW. &	SE. & SE.	SSW. & S.	Variable.	SW. & SSW	NE. & E.	& SW.	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no observation has been applied to the readings to reduce to sea level.	Observations are usually based as in A.A.; in 1001; oil. r.i.; and with the firests of the eye-readings of the barometer, the dry builb thermometer, and the wet builb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic recovits made during the twenty years ending 1873 for the barometer, and during the twenty vears ending 1873 for the barometer, and during the twenty was reduing 1873 for the barometer, and during the twenty was required.	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point comperature and degree of humidity are deduced from the mean daily are head of the dry and was bulb thermometers.	Example of the control of the control of the control of the control of the photographic records made at Greenwich drump the 20 years ending 1888, and that of horizontal movement.	the air from a discussion of the anemometric records for the 16 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "high "totage," than the average.	The interpronneters in the water of the preface are suspended as a depth of two feet below the surface, at the end of one of the jettles of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	is deriv	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreement of bright sunshine on each day. The results of all the meteorological observations are to be understood as a nature to the	civil day, or from midnight to midnight. The reading of the beginning of the week to 29°14 in. at the beginning of the week to 29°53 in. By nown on the 10th; decreased to 29°77 in. by 99. A.M. on the 11th; and increased to 39°18 in.
ı		General	A.M.		SSW. & W.	Calm & E.	SW. & SSW.	S. & NW.	Calm.	SW. & N.	SSW.	19	The height of the cistern rrection has been applied to	arometer daily vi ecords r	nometer nometer ean dail	rature o	ussion o umns 9 average	d of one	orporation of Loudon. The record of Electricity mapols employed are:—F. variable.	lumn 29, on of britthe met	dnight paromet
oyal.		1 80										1	of the	the by mean applic representations of the property of the prop	thern the m	t Gree	a discone	the en	Corporation of London: The record of Electrici symbols employed are: v.varishle.	duration of all	om mi of the e 10th
Superintendence of the Astronomer Boyal.	RE.	Of the Water of the Thames at Dentford	1- Low.	-		46.7			6.27	45.4	46.1	18	eight on has	ings of into od into notogra	oimum simum s).	Table verage	r from	ace, at	ecord emplo	umber egate	y, or frading
strono	RATU		st High.	-		47.4	_	46.9	46.8	46.6	47.1	17	The h	e-read nverte the pl	the dr	ofric l	the ai	The view series	The reco	The n	vil day
theA	TEMPERATURE	Of Badiation,	Lowest on the Grass.	-		30.0		32.0	32.9	42.2	81.8	16	8						وي ر <u>ح</u>	= ==	
ence o)		ł .	High- est in Sun's Rays.	. 0	20.02	72.0	83.88	54.1	81.5	75.0	75.6	15		morning; partially	terward it.	ing; fi	genera	mornin at nig	fine a	varial	
intend		Degre of Hu midit	ration equals 100).			76		95	F 6	81	86	7	KS.	rning;	fine af at nigh	morn ing; el	e and	early nase tog	ning;	ne with	
Super	etween	the Air Temperature and Dew Point Temperature.	Least			0.0	0.0	0.0	0.0	3.8	9.0	13	GENERAL REMARKS	rly mo at nigl	rning;	rain ir iil even	in morning very fine and generally early evening; overcast with rain at	; showery in early morning; during day; dense log at night.	in mor	ing: fi	
Under the	rence b	ir Temp d Dew 1 emperat	Great.	•	0.6	10.5	10.0	₩.₩	8.9	8.4	00	12	AL RI	i in ea	in mo	cloud t	ing.	showe	e fog	n morn	
Lund	Diffe	the A	Mean daily value.	0	4.3	0 .4	4.6	1.3	1.1	4.0	3.4	=	NER	ing; cl	nd fog till ev	h ocean	n morn	generally;	h dens	rain i	
		Of the Dew Point.	Mean daily value.	0	36.0	39.0	39.6	1.9	45.1	44.2	41.1	101	5	ally fir	rain a	ast viit		ast ger	ast wit	ast with	
ı	URE.		De- parture from Average of 20 years.	0	10 0	4 0.0	+ 1.7	+ 4.1	+ 4.8	+ 7.8	+ 1.8	6		Generally fine; rain in early morn cloudy till evening; cloudless at night,	Slight rain and fog in morning; fine afterwards; partially cloudy till evening; cloudy at night.	Overeast with occasional rain in morning; fine afterwards with little cloud till evening; cloudless at night.	Hoar frost cloudless till night.	Overcast gloom and	Overcast with dense fog in morning; fine an partially cloudy till afternoon; afterwards overcast.	Overcast with rain in morning; fine with variable clouds till evening; overcast at night.	
ı		Air.	Mear daily value.	0	40.3	43.0	7.5	46.4	46.8	49.6	44.5	00	above rizon, hours.	9.1	1.6	0.6	0.6	6.8	6. 8	00 00	Sum 62.8
ı	TEMPERAT	Of the Air.	Daily Range,		16.5	14.0	6.81	10.0	9.03	0.6	12.1	7	red Sun ie, Ho				-				
			Low- est.	0	200.00	36.5	33.9	41.0	36.0	47.2	87.3	9	Registered Sun above Sunshine, Horizon, in hours.	4.6	1.2	1.6	% · ·	0.0	00 70	1.1	Sum 16.2
			High-	0	0.09	51.1	52.8	51.0	9.99	56.5	52.4	25		ing;	; uoc	till at	ing;	ing;	•	•	1
ı	BARO-	Mean daily reading	rected and reduced to 32° Fahren.	in.	_	29.358	29.707	29.741	29.855	30.057	29.620	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. in morning; m. P. afterwards,	v. P. till afternoon w. P. afterwards.	w. P. generally evening; m. P. night.	m. P. till evening;	w. P. in morning v. P. afterwards.	P. generally	w. P. throughout	
ı		Phases	Moon.		Equator.	:	New.	:	:	:	:	8	ELE (For ex	w. P. m. P. aft	v. P. t	w. P. evening;	m. P.	v. P. afte	w. P. g	w. P. t	
			21	EB.	6	11	12	13	14	15	1.	1:	B.	0	10	Ħ	12	13	14	15.	
		1890.	Монти АИВ DAY.	NOVEMBER.	NON.	TURE.	WED.	THURS.	Far	SAT.	MEANS	No. of Col	DATE. November	SUNDAY .	Monday .	TUESDAT .	VEDNESDAY	TRURSDAE.	FRIDAY .	SATURDAY.	

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

ANTS THE

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 47. 1890. Vol. LI. WEEK ENDING SATURDAY, NOVEMBER 22. Price 1 d.

> General Register Office, Somerset House, 24th November, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.3 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	ending	5	The graties of the control		Weeks	ending
Towns.	Nov.	Nov. 8.	Nov. 15.	Nov. 22.	Towns.	Nov.	Nov. 8.	Nov. Nov. 15. 22.
Birkenhead	24.3	25:3	21.3	17.4	Liverpool	23.7	24.1	21.8 21.1
Birmingham	18.6	20.2	19.4	18.3				20.2 20.2
Blackburn -	27.9	22.8	18.1	27.9	Manchester -	31.6	29.3	31 . 1 33 . 4
Bolton -	26.6	28.8	26.1	25.7	Newcastle-on-Tyne	24.0	22.7	25.9 21.4
Bradford -				18.0	Norwich			20.8 21.3
Brighton -				15.2	Nottingham -	16.4	14.7	15.3 19.6
				19.5	Oldham	29.1	22.7	30.6 27.4
				25.0	Plymouth	25.8	18.5	22.5 18.5
	14.5				Portsmouth -	24.8	19.3	21 . 2 24 . 4
Halifax •	29.2	18.4	21.6	30.5	Preston	31.7	22.8	24.8 17.4
	19.4	(01	Salford	24.1	18.5	23.7 24.9
Hull	17.4	17.8	18.5	18.5	Sheffield	24.1	20.7	22 · 2 25 · 1
Leeds -	20.9	20.8	22.9	23.4	Sunderland	17.6	18.7	21.8 24.1
Leicester -	19.9	15.9	20.9	15.9	Wolverhampton -	20.0	21.3	19.4 20.0

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.4 in Sheffield, 1.5 in Birkenhead, 1.9 in Halifax, 2.0 in Bradford, 2.2 in Cardiff, 2.7 in Bolton, 2.8 in Oldham, and 3.0 in Manchester and in Cardiff, 2.7 in Bolton, 2.8 in Oldham, and 3.0 in Linguis Blanch, and 3.0 in Linguis B Preston; from scarlet fever, 1.3 in Plymouth, and 1.5 in Liverpool; from whooping-cough, 1.3 in Halifax, and 1.7 in Huddersfield; and from "fever", 1.0 in Leeds, 1.1 in Nottingham and in Salford, and 1.5 in Birkenhead. The 60 deaths from diphtheria included 37 in London, 3 each in Portsmouth, Birmingham, and Salford, and 2 each in Liverpool, Manchester, Leicester, and Sheffield. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2206 BIRTHS and 1716 DEATHS were registered. Allowing for increase of population, the births were 541, and the deaths 6, below the average numbers in the corresponding weeks of the last ten years. The annual deathrate per 1000 from all causes, which had declined in the preceding three weeks from 21.4 to 20.2, was again 20.2 last week. During the first eight weeks of

A 64310.—8. 635.—11/90. Wt.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such as hypothesis is, however, obviously somewhat untrustworthy. 3 A

the current quarter the death-rate averaged 19.5 per 1000, exceeding by 0.3 per

1000 the mean rate in the corresponding periods of the ten years 1880-89.

The 1716 deaths included 76 from measles, 26 from scarlet fever, 37 from diphtheria, 33 from whooping-cough, 23 from enteric fever, 11 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or from cholera; thus, 206 deaths were referred to these diseases, being 10

below the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 8; one case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals, but not one in the Highgate Small-pox Hospital. The deaths from measles, which had declined in the preceding three weeks from 95 to 63, increased last week to 76, exceeding the corrected average by 18. The fatal cases of scarlet fever, which had been 23 and 15 in the preceding two weeks, increased last week to 26, but were 17 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 2059 scarlet-fever patients at the end of last week, the numbers on the preceding two Saturdays having been 2122 and 2117; 205 cases were admitted during the week, against 188 and 186 in the preceding two weeks. The deaths from diphtheria, which had been 50 and 29 in the preceding two weeks, numbered 37 last week, and exceeded the corrected average by 10; 6 belonged to Hammersmith sanitary area. The 33 deaths from whooping-cough showed a further increase on recent weekly numbers, but were 2 below the corrected average. The deaths from diarrhæa and dysentery, which had continuously declined in the preceding seven weeks from 105 to 19, further fell last week to 11, and were 7 below the corrected average.

The deaths referred to enteric fever, which had been 29 and 24 in the preceding two weeks, numbered 23 last week, corresponding with the corrected average. The Metropolitan Asylum Hospitals contained 192 cases of enteric fever, and one of typhus, on Saturday last; 18 cases of enteric fever were admitted

during the week, against 24 and 20 in the preceding two weeks.

Three deaths were primarily attributed to influenza, the numbers so referred in

the preceding two weeks having been 2 and 6.

The deaths referred to diseases of the respiratory organs, which had been 465 in each of the preceding two weeks, were 459 last week, exceeding the corrected

average by 11.

Different forms of violence caused 56 deaths, concerning all but 2 of which inquests were held. Of these 56 deaths, 7 were cases of suicide, and one of murder, while the remaining 48 were attributed to accident or negligence. Two of these were caused by horses or vehicles in the streets, 12 by burns or scalds, 5 by drowning, and 10 (of infants aged under one year) by suffocation. The deaths of 2 and 3 children respectively were caused by conflagrations at Wellington Barracks and in Garth Street, Shadwell.

GREATER LONDON.

In Greater London 2953 births and 2134 deaths were registered, corresponding to annual rates of 26·7 and 19·3 per 1000 of the estimated population. In the Outer Ring 40 deaths were referred to measles, 10 to diphtheria, 7 to whooping-cough, and 5 to searlet fever. Of the deaths from measles, 22 occurred in West Ham, 4 in Enfield, and 3 in Brentford sub-districts. The deaths from diphtheria included 4 in Croydon sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30·14 ins.; the highest reading was 30·31 ins. on Thursday morning, and the lowest 29·60 ins. at the end of the week. The mean temperature of the air was 50°·0, and 8°·6 above the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably above the average throughout the week, the excess on Tuesday, on Wednesday, and on Thursday, amounting to more than 10°·0. The general direction of the wind was South-westerly, and the horizontal movement of the air averaged 12·0 miles per hour, which was 0·5 of a mile below the average in the corresponding weeks of 16 years. Rain fell on four days of the week, to the aggregate amount of 0·19 of an inch. The duration of registered bright sunshine in the week was 3·1 hours, against 5·1 hours at Glynde Place, Lewes.

_								Bir	6763	, 1	700	46/6	3,	174.0			loy	g.											40	
	CITIES	вокопене.	Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	NORWICH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	Northwenter.	DEBBY.	BIRKENHEAD.	LIVERPOOL.	DOLLON.	MANCHESTER.	OLDHAM.	BLACKBURN.	PRESTON. HUDDERSTRED.	HALIPAX.	BRADFORD.	LEEDS.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIPP.	EDINBURGH.	GLASGOW.	- Contract	1891.
	i v	In Centi-	24.	0.81	0.48	0.56	1 0	99.0	64.0	1	- at.0	1	1	1.52	1	1 1	1		1 1	1	0.46	1	1 0 10	3 1	1	1	1.82	2.65	1	until
0	N	.sodoni al	23.	0.32	0.19	0.40	1 5	92.0	0.31	1	20.0		1	09.0	1	1 1	*	,	1 1	,	0.18	1	1 0	77 0	1	1	0.52	1.15	200	teturn
AIR.	Mean.	Jentigrade.	22.	9.33	10.00	10.01	1 2	84.6	88	8	1 00	3 1	1	90.01	1	, ,	,	1	1 1	1	8.72	1	1 2	000	1	1	1.67	8.00	000	eekly I
R OF TH	Me	*tiednerds*	21.	48.8		20.0	1 62	49.6	6.95	1	6.4	,	1	20.1			8		1 1	1	2.17	1	1 07	200	3	1	45.8	46.4	4 0%	the W
TREFERATURE OF THE AIR.	- *3	Fahrenheit.	20.	24.0	39.5	39.2	, ,	39.6	31.5	1	1.66	1	1	89.8	1	1 4			1 1	,	31.2	1	1 0	0 1	1	1	80.5	82.8	000	unt in
		Highe	19.	26.69	2.99	0.99	1 0	2.19	9.89	1	1 20	1	,	2.69				8		1	9.99	•		0.00	3	-	-	63.0	==	to accc
11 Rate	the Deaths	From Proma Diseases in Cols. 6-12.	18.	5.6	4.2	7.57	1.6	09 0	T .	1.6	3.0	0.2	30 0	9.4	K . A	8.0	3.6	2.1	20 00	7.7	4.2	9.8		9 -	9.0	9.8	1.6	0.8	1 2	ken in
Annual Rate per 1006,	Week's	From All	17.	21.3	20.5	24.4	21.3	19.6	0.07	18.8	9.61	15.5	17.4	21.1	7.00	24.0	27.4	6.42	17.4	30.2	18.0	23.4	1.92	0 07	7.16	25.0	1.81	0.4.0	7 07	+ The recent extension of this horough will not be taken into account in the Weekly Returns until 1891
	.4189	Glo sesus	16.	85	23	1	1 1	60	1 :	-		н	1	18	3 1	H 03	0.03	20	1 -	, 00	1	ч	000	4 1	6	1	18	233	OT OT	rill n
	18.	Deaths in Palic Public Institution	15.	744	425	0 00	9 1	17	2	83 0	3 10	1		25	- 1	22	9	15		, G	90	17	I S	0 •	9 00	9	19	44		ough w
	*99	laguest Cas	14.	263	601	CO P	н 1	47	-	00 0	0 9	03	4	27.) h	22 4	89	-	-1 e/	্	00	15	200	N 0	0 4	1 41	0.0	g., ,	7	a bor
nde		·3onslofV	18.	150	99	9 00	1 4	, r		10 r	4 03	· ~	63	56	9 9	0 4	' -	-	1 0	1 63	4	00	4 0	23 C	9 -	1 63	00	10	4	of thi
sk inc		Distrhos.	12.	44	11		1 1	1 1	-	4	1 73	1	1	ော ေ	4 .	4 1	1	63	1 -	-	1	4	C3	1 -	- 1	-	63	eo e	1	naion
The DEATES registered in the Wesk include		Ecrex.	ri i	29	23	4 63	- 1	-	1	-1 0	4 70	1	93	H 6	1 1	9 10	1	-		-	1	2	00 7	٦,	-1 8	1		9 1	0	nt exte
ai pe	from	Whooping-	10.	20	න ද	1	н 1	1	1	4	i i	ł	1	20 1	4 0	23 63	67	7	- «	63	-	70	00	1 -	٦,		67		-	TOOOT
ogister	Deaths	Diphtheria.	6	09	87	ا ا	rd I	1	-	93 (24 1		1	67	٦	63 0	o 1	1	1	8	7	,	67	~		1	63	9 0	N	+ The
THE		Scarlet Fever.	80	49	26	1	1 0	1 1	ı j	00 1	٠, ١	1	1	18	,	477	1	1	1 1	å	1	63	4	1 -	٦,		1	,-1 ·	٦	
he DE		Measles.		176	94	1 1	1 -	1 10 1	Н	C4 L	- 4	3	20	C3 4	0	62 oc	00	-	9 1	တ	6	2	6	1	1 1	10	-	00	1	
a		Small-por.	6.	1	1 (1 1		1	•	1 1		1	1	1	1	1	1	1	1	1	1	1	1	1 1	1	1	ı	1	
	the of	Persons ages 60 Years and upwards	5.	903	417	10	16	84	10	83	119	0	10	45	1 !	18	1 1	20	9 1	11	15	32	55	77	7.	1 1	28	47	25	
	Deat	Infants under I Year of Age.	4.	903	369	15	10 0	10	11	49	13	9	9	55	AT .	120 %	26	18	12	12	23	82	45	22 62	202	10	12	100	707	Zeturn
during	nding 1890.	EATES.	3.	3962	1716	86	83	8.4	57	162	98	80	200	248	10	243	77	99	1000	88	80	163	160	200	67	26	94	244	101	f this l
Registered during	the Week ending 22nd Nov., 1890.	BIRTHS, DEATES.	2.	5024	2206	98	7.	101	29	244	107	48	62	266	00	239	48	99	4 6 4 A	45	112	220	242	113	108	17	184	363	120	rat Dage
	×	to the middle of the 1890.*	1.	9,715,559	4,421,661	123,659	95,352	232,248	88,406	461,865	154,344	100,871	105,049	618,463	110,846	879,487	146,716	123,553	105,163	\$2,034 \$2,034	240,515	868,799	832,637	218,838	162.957	117,012	271,135	580,208	200,000	· See note on first page of this Retur
			Cols.		•			• 1	TON	•		•	•			• •	•			•	٠	•	•			•	•		•	•
	CITIES	BORUGHB.	0	28 TOWNS	LONDON .	BRIGHTON	NORWICH .	PLYMOUTH . BRISTOL .	WOLVERHAMPTON	BIRMINGHAM	LEICEBTER .	DEEBY -	BIRERNHEAD	LIVERPOOL .	FOLTON	MANCHESTELT SATEORD .	OLDHAM .	BLACKBURN .	PRESTON -	HALIPAX .	BRADFORD .	LEEDS		SHADBOTAND	NEWCASTLE .	CARDIFF	EDINBURGA -	GLABGOW .		

Table 2. LONDON.—Births and Deaths Registered in the Forty-Seventh Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1885	1887	1888	1389	Corrected Weekly Average in 10 Years 1880-89.**	1890
Total Births Males Femsles .	2432	2401	2709	2482	2409	2422	2462	2632	2722	2517	2746·7	2206
	1248	1221	1352	1310	1198	1243	1302	1365	1354	1301	1406·1	1059
	1184	1180	1357	1172	1211	1179	1160	1267	1368	1216	1340·6	1147
Total Deaths Males Females	1521	1600	1681	1670	1521	1610	1543	1862	1403	1376	1722·2	1716
	747	790	865	834	816	810	810	951	716	690	875·6	827
	774	810	816	836	705	800	733	911	693	686	846·6	889

[•] The numbers in this column are the average weekly numbers in the forty-seventh weeks of the ten years 1880-89, raised by 9.046 per cent, for increase of population.

TABLE S. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEN WEEKS

TABLE 3. LONDON.—B	1207 110	, DEA	11109 6	111/4 17.	LISTEO	KOLO	AT IN	tile 1	Jast J	HIRT	EEN V	VEEK	3.
: ,	Aug. 30.	Sept.	Sept.	Sept.	Sept. 27.	Oct.	Oct. 11.	Oct. 18.	Oct. 25.	Nov.	Nov.	Nov. 15.	Nov. 22.
TOTAL Births	2614	2469	2539	2355	2458	2433	2409	2412	2512	2395	2173	2321	2206
Total Deaths	1659	1514	1410	1375	1458	1413	1472	1741	1649	1817	1734	1709	1716
Ages at 20-20 years - 20-40 " - 40-60 " - 60-80 " - 80 years & upwards	911 190 265 234 59	796 177 240 245 56	687 183 238 256 46	667 200 214 232 62	740 182 236 256 44	726 170 223 253 41	747 180 240 251 51	870 204 316 281 70	835 200 264 296 51	827 206 336 372 76	785 222 331 318 78	758 239 296 343 73	789 226 284 349 68
** \begin{cases} \text{Under 1 year} & -1 \\ 1-5 & -5 \\ 5-20 & -1 \end{cases}	525 282 104	459 217 90	395 217 75	376 227 64	429 207 104	433 193 100	436 2131 98	491 260 119	429 306 100	413 303 111	393 283 109	392 257 109	369 308 112
Der the from Small-pox , , Measles , , Scazlet fever , , Diphtheria , , , Whooping-cough , Typhus , Enteric fever , , SimpleConta fever , , Diarrhaa and)	60 24 26 39 17 - 180 7	56 18 16 46 - 18 1 128 5	39 18 18 35 1 18 -	33 14 35 38 - 21 - 94 3	1 22 16 38 29 - 18 2 86 6	30 20 28 18 - 24 1 105 3	38 20 38 59 - 24 1 94	59 20 41 30 - 21 2 75	70 29 23 28 - 15 1	95 16 26 19 - 26 -	74 23 50 20 - 29 -	63 15 29 25 1 24 -	76 26 37 33 - 23 -
" " all the above- mentioned Diseases	353	288	251	238	218	229	246	250	221	225	222	177	206
, " Dis. of Respira- tory System } " Phthisis - " Dis. of Circula- tory System }	184 167 100	180 139 120	210 136 114	187 157 136	222 130 104	262 123 100	197 147 123	340 204 144	417 139 151	450 189 156	465 153 141	465 174 139	459 184 134
Violent Deaths Inquest Cases Deaths in Public Institutions	57 105 364	54 98 391	55 109 3€0	43 83 360	52 103 37 7	61 107 335	49 113 346	52 123 397	50 114 382	57 119 395	65 143 432	55 131 410	56 109 425
TEMPERATURE OF THE AIR Alean Alean of Highest readings Mean of Lowest readings	54·4 66·5 46·0	71.0	59·4 73·2 48·2	60·4 71·7 51·0	69.2	66.3	54·3 64·1 45·5	47·7 56·5 39·8	48·2 54·4 43·2	43.6 50.4 36.3	45·2 51·7 39·0	44·5 52·4 37·3	50·0 54 0 45·1
Hemidity of the Air Rain-fall in inches Registered Sunshine (in bours	80 0.67		1			76 00·0 36·9	82 0·33 36·5	82 0·20 16·0	83 0:45 8:8	85 0·23 12·6	82 0·77 16·4	88 0·28 16·2	90 0·19 3·1
	The state of the s		-	A PROPERTY OF		No. of the second	-			-	-	1	

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following centlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippmott, Esq., Bristol; c. Smpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Instrump, Esq., F.R.A.S., F.R.Met, Sec., F.R.Met, Sec., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and W.m. Lyall, Esq., Newcastle-on-Tyne,

TABLE 2. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the

,	-	1		E'OI	RTY	-SE	VEN	TH	We	ek of the Year 1890.									
	for the 10 years	Sı	.In	the	We 2nd	ek ei Nove	ndina embe	r 189	10.		the			n th	e We	eck e	ndin	or and	- Indiana
- Have	10 y						ons o			l l	for the			ny, 2					·
	of the				he A						ges the 1		D	eaths t	he A		ns of		
CAUSES OF DEATH.	B of		-1	Jnde 20.	ľ	r 40.	r 60.	r 80.	впа	CAUSES OF DEATH.	Averages aks of the 1 1880-89.*		1	Jude	. 1	40.	60,	80°	
	oted Av Weeks	GES.	-	1	_	under	under	under	rs a		d A beeks	. 20	-	20.		under	under	under	a BBd
	ot	L AG	٠		200	and u		and u	u Years		ected Weel	AGES							Y Sars
_	Corre	ALL	0-1	1-6.	0-2	20 8	40 and	60 3	n)		Corrected 47th Wee	ALL	0-1.	1-5.	5-21	20 and	40 wad	60 and	X OS
ALL CAUSES	1	1,,,,	1	1			1	1	1		1	1	1		- ,			\$	~
ALE ONOGEO	1722.2	1716	908	308	112	226	284	349	68	Diseases of Organs of Special Sense † -	1.7	3	-	_	1	1		1	
Vaccinated! -	2.4	-	-	-	-	-	-	-	-	Spooter Source ()			!-	-	-				
Small- pox Unvaccinated No Statement	3.8				-	-	-	-	~	Diseases of Circulatory	127.4	131	1	4	12	17	33	55	12
Measles	57 7	76	14	57	4	1	-					-	-			-		-	_
Searlet Fever	48.2	26	1	16	8	1	-		E	Bronchitis -	16.5 275.6	11 264	82	8 52	2	5	23 21	79	16
Typhus Relapsing Fever †	0.1				-		-	-		Pleumonia	114.9	141 12	29	88	9	22	21 2	17	ъ Б
Influenza	0.3	3		1	-	1	-	-	1	Other Diseases of Respi- ratory System}	36.4	81	6	1	-	3	9	12	-
Whooping-cough	35.1	33 37	11	21 23	10	-	-	-		Dentition †	0.7	-		_	-		-		
Diphtheria Simple Continued and	2.0			27	10	2	1	-		Quinsy, Sore Throat † -	8·7 3·0	8 3 9	3	5 - 1	1	1		1	B
Ill-defined Fever -} Enteric Fever	23.2	23		2	10	6	4	1		Peritonitis Diseases of Liver	7.6 7.2 29.6	8 31	1	1	1	2 2	1 14	3 2	B
Cholers and Chol. Diarr.	0.4		H	-	-		-	1		Other Diseases of Digestive System	26.8	24	3	2	2	2	4	12	1
Diarrhea, Dysentery -	17'6	11	6	2	1	-	H	2				_							
Remittent Fevert Hydrophobia	0.8		H			-				Diseases of Lymphatic System & of Ductless	2.5	3	_	2	1		~		
Glanders	0.0		-	-	-	_				Glands †					Î				
Cowpox and Effects of Vaccination † }	0°1		H	-	-	L-I	Ŀ	-		Diseases of Urinary	45.1	46		2		10	17	10	
Venereal Affections -	10.1	6	6	-	-	-	H	-	L	System}	10 1	10				10	17	15	2
Erysipelas – – – Pyæmia and Septicæmia †	8'1 3'4	6	1 3	-	1	1	1	3		Diseases of Generative									
Puerperal Fever	8.1	2	H	-	-	1	1	_		Accidents of Childbirth -	6·2	8		-	1	5 4	_	1	1
Other Zymotic Diseases †	2.0			-		-	_	_	ŀ			-	-						
Thrush	1.0	1	1	-	_			_		Diseases of Locomotive }	9.4	11	1	1	2	3	2	2	-
Worms and other Para-}	0.2		٥		_	-	· .	-		Discourse of T-t-	-	-	-						
								-		Diseases of Integumen- tary System}	7.2	11	2	4			3	. 2	-
Starvation, Want of Breast-milk † }	1.6	1				-	1-	-											
Alcoholism	3.6	11			-	3	7	1		VIOLENT DEATHS.5									
Rheumatic Fever, }	0.45									(ACCIDENT.)	70.7	10							
Rheumatism of Heartf	8.7	15		1	7	5	2	-		Fracture and Contusion Gunshot Wound	0.5	16	5	1 -	1 -	2 -	6	5	1
Rheumatism † Gout	1.6 3.1	3		-	-	-	1	3	-	Cut, Stab Burn and Scald Poison	8.0 0.3	12	1	6	2	-	1	2	H
Rickets +	4.0	5	1	4			-	3 -		Drowning Suffocation	6.8	10	10	-	-	3	1	1	H
Caneer	21.8	60 20	-	-		6	21	28	2	Otherwise	2.6	4	3	1	-	-	-	-	
Tubercular Meningitis -	23.4	22	10	7	1 2	1	1	-		(Homicide.)									-
Phthisis	182'3	184	4	8	13	93	59	12	-	Murder & Manslaughter	2.0	1	1		-	-	_	_	
Scrofula, Tuberculosis - Other Constitutional)	16.8	17	4	3	4	4		2				-	-	-	-				
Diseases †}	12.1	12		_	1	_	6	5		(Suicide.) Gunshot Wound	015					,			
Premature Birth	40.1	44	44	-		-	_	-		Cut, Stab	1.2 1.2	1	H	-	-	-	-	1	
Atelectasis † Congenital Malforma-)	2.1	8	8	-	-	-	-	-	-	Drowning	0.4	3 2		-	-	2 2		1	- I
tions 5	7.2	. 8	8	Н	-	-		-	-	Otherwise	0.8	-		-	-	-	-	-	- International
Old Age	49'6	42		-	-	-		19	23										
Apoplexy	42.5	40	1	-	_	4	11	22	2	(EXECUTION.) Hanging	.0.0					100			
Epilepsy Convulsions	7.2	6	-	-	2	-	2	2				-		-				-	
Other Diseases of Brain	80.0	47 81	40	6	1	-	-	-	-	OTHER CAUSES †	57.8	45	40	2	-	-	2	1	-
and Nervous System }	80 9	al	4	13	9	9	19	25	2										DOM
The numbers in this	column a	re the	0 707		rack!	- D	- 1	-		U Vears 1880_89 rejead by 9°(-					-	-

is the Coroner to certify whether a violent death be the result of accident, murder, accident or negligonoc."

aths for the ten years 1880-89, raised by 9'046 per cent. for increase of population. ed, the average for the eight years 1832-9 has been used.

"A view of unvaccinated," which are so certified by registered medical men. When or has not, been vaccinated, or when the cause of death is not certified by a registered

TABLE 5. LONDON. -- POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

			-					de comb di	-				duri	ng t	Te A	/ eek	ena	mg
				-			Th	DE/	ATHS	rogist	ered:	in the	we:	ak ine	lude		1	-
	Enume-			Deat	hs of				-1	1 0	ths fr	om	-				0	802
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881.	Total BIRTHS.	Total DEATES.	Year of Age.	Persons aged 60 Years & upwds.	Small-por.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enterie (or Typhoid) Fever,	Simple con- tinued Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LONDON	3,815,704	2206	1716	369	417	_	76	26.	37	33		23		11	56	109	423	28
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASTLUMS OUTSIDE REGISTRA- TION LONDON	669,682 905,947 382,238 692,788 1,265,148	324 462 116 440 864	263 367 104 348 613 21	42 84 29 74 140	71 90 22 92 133 11	-	8 8 8 20 28	5 6 - 8 12	7 16 2 6 6	6 9 1 2 15		3 4 1 5 10 -	-	4 5	10 13 4 12 17	25 27 9 22 26	74 85 33 92 120 21	3 2 1 4 13
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J. Kensington Town Ww - W.M. & C. W.M. & C.	59888 87830 120141 48010	46 12 52 13	22 11 46 7	4 1 7	7 2 15	11 11	1111	11 11		1	1111	1	1111	1	1 3 1	2 1 7 1	3 7 15 3	11 11
St. Peter Hammersmith H. W.M. & G.J. Fullham Ww. W.M. & G.J. W.M. & C.J.	7599 64340 42900 15049 42683	2 86 62 12 18	6 29 42 6 14	1 12 2 1	4 7 6 1 8	1.1-4-1.1	3 2 1 -	- 5	6 -	1	11111	1 1 1 1 1	11111	11111	1	4	3 13	1
Chelses North WHHHHH Chelses South HHH Chelses South HHH Chelses South HHH Chelses Che	30896 80353 59220 35496 24679 29941	16 8 22 12 6	7 13 24 13 13 12 6	3 1 4 5 1	1 6 4 5 1	1 1111 1	1 - 1		1 11111	1 1	1 1 2 1 1	2 -	1 11111	1	1 2 -	3 2 2 1	2 4 9 - 6 2	111-
St. James Westminster WHH N.R.&G.J. St. Anne Scho HHHHHHH - N.R. NORTH DISTRICTS. All Souls Marylebone HHHHH W.M. Cavendish Square HHHH - W.M.	16608 26759 14891	10 2 10	10 4 8	2 1 1	1 3 4	1 1 1	1 1 1	-	1	111	1 111	111.	-		1 11 1	1	6 -1	1 1 1
Cavendish Square HHHH G.J. & W.M. Rectory Marylebone W — G.J. & W.M. St. Mary Maryleb, HHHH G.J. & W.M. Christohurch Marylebone H — W.M. St. John Marylebone H — W.M. Hampstead WwlHHH — N.R. & W.M.	24809 21118 83700 33633 45452	16 9 14 25	11 7 7 28	3128	2 2 2		1	3	6	2 -	1 1 1 1	1	1 1 1	1 1 1	1	1 - 4	10	1111
Regent's Park Paneras H - W.M. Tottenham-court wHHHHM N.R.&W.M. Gray's Inn Lane HHH - N.R. Bomers Town HH - N.R. Camden Town WH - N.R. Kentish Town W - N.R.	39115 27729 30247 34369 17811 87487	20 13 15 21 8 42	14 15 11 12 12 26	2 2 3 3 10	883244		1 1	11111	3	2 1 1	11111	1	11111	1111	1 2 - 1 1 -	1 2 2 2 1	11 3 1 6 2	1
Upper Holloway WWwHH - N.R. Islington South-west H - N.R. Islington South-east - N.R. Highbury H - N.R. N.R.	67946 100976 61825 52048 22781	52 89 84 24	51 26 32 19 9	8 13 4 3	12 4 9 6	11111	ī. .1	1	1 - 1	1	11111	1	11111	11111	1 1 00 1 1	3 3 -	24	1
Stamford Hill West Hackney H Hackney WownoH South Hackney - E.L. & N.R. CENTEAL DISTRICTS.	9277 87610 76911 39883	5 21 48 22	13 40 12	4 8 3	1 2 12 2		2 1	1	14-	1		1	1111	1111	2 1 1	8 3 1	16	1171
St. George Bloomsbury - N.R. St. Giles South WH - N.R. St. Giles North H - N.R. St. Martin-in-the-Fields HH N R. & C. St. Marty-le-Strand H - N.R.	16681 14864 13837 17508 7515	6 18 1 7 8	2 4 2 9 2	2 1 2 -	1 1	11111	ī 1	13 - 11	1111	1111	11111	1	1 1 1 1	11111	I -	2 1	2 5	
St. Mary-le-Strand H- N.R. Strand Unios Workhouse, Edmonton w. St. Gleo-the-Martyr HIHHHHH N.R. St. Andrew Eastern W - N.R. Saffron Hill H - N.R.	8559 18671 10706 6538	12 1 1 2	14 9 2	5 4 1.	1 2 1		-		1			11111	1111	11 11	1,1	1	8	11111
St. James Clerkonwoll	17516 19281 14778 17506 11541 18628 9217 7463	10 9 6 8 6 15 1	3 5 5 7 1 4	1 2 1 2 2 1	2 1 2 1 8 . 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	11111111	1	1	111111111	11111111	11:1:1:1	11111111				13 4 -
Hisbury Holborn Union Workhouse, Mitcham se. St. Botolph H - N.B.SE. L. Cripplegate - N.E. St. Bepulehre H - N.E. St. Bride W - N.E. Allhallows Barking - N.E. Stroad Street H - N.E.	11174 7193 5858 8396 13666 5852	3 2 4 - 1 -	1 1 15 2 3 1	1 2 1	1 2 1	111111			111111	111111	111111	1 11111	11111	1 111111	1116111	1	13 1	111111

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Works house; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Warkagan; Establishment receiving immates from other Dustricts than tant in which it stands. The Keman capitals signify too Water Companies which asoptify to different sub-districts—G.J. signifies Grand Junction Company; W. M. West bliddlesex; C. Chelsea; S. Southwark and Yauxhall; L. Lambeth; N. B. New River; E. L., East London; and K., the Kont Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district arday, 22nd November, 1890.

							The	DEA	THE	regist	ered i	n the	Wed	k inc	lude			
	Enume-			Deat	hs of			-	1	Death	s from					I	1	
REGISTRATION RUB-DISTRICTS.	Population,	Total BIRTES.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid) Fever,	simple con-	Diarrhea.	Violence.	Inquest Cares.	Deaths in Public institutions.	Uncertified Causes of Death.
East Districts. reditch South HL^* - N.R. ton New Town \bullet - N.R. ton Old Town - N.R. gergton WH - N.R. * E.L.	22343 29937 28036 46275	11 22 17 23	8 22 14 25	1 8 4 3	2 11 1		-	111	2 -			1	111	1	1 2	1 2	2 10	-
nnal Green North H - E.L. nnal Green South - E.L. nnal Green East WHL^* - E.L.	51157 34399 41405	38 21 17	20 11 18	3 4 3	10 8 2 7		- 2	1	1.1	1 111			-	1	1 1 1	-	12	-
alfields - E.L. & N.R. b End New Town W - E.L. techapel Church H E.L. & N.R. dmau's Fields - E.L. gate - R.R. & E.L.	22585 15478 17490 9713 6102	12 24 16 6 4	14 17 2 3	2 2 2 -	61:1	171111	- 1 2	11111	2	1	-	- 1	11111	11111	11111	4 11111	9 10 15	2 -
Jeorge's North E.L. John, St. George East W - E.L.	88747 8410	24	15	6	1 4	-	1	1.1	-	-	-	-	-	I	-	1 1	- 8	1 1
iwel: H E.L.& N.R. eliff E.L. shouse E.L.	10395 16107 32041	10 6 23	11 2 18	3 - 4	2 1		1 - 6		1 1 1	-	-	1		- 1	4	5	8	
End Old Town West H - E.L. End Old Town East WwwH- E.L.	87960 67653	24 46	16	7	2 13	-	4 2	1 1	-	1	-	-	-	-		3 2	- 8	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	37074 64359 55077	17- 41 31	13 37 29	6 7	2 14 6		1 2 6	- -1	1			1 1	9 7 1		5	5 3	14 1	
SOUTH DISTRICTS. Saviour Southwark	13663 14999 21381 15953 21318 26672 59555 21623 11956 16300 15669 54682	6 12 10 12 12 15 85 18 11 5 16 85	5 8 6 9 9 12 24 13 14 6 6 6 22	1 1 5 6 3 9 2 1 2 6	1 - 4 4 1 - 3 8	111111111111111111111111111111111111111	1 1 1 1 1 1 3 1/1 1			2 1	1111111	1	111 1111111	1	1 1 - 1	2 - 1	1 - 3 1 - 2 - 11 - 4	1
S. & K.	36024 15195 16351 19876 39859 45282 35332 62837 19017	29 12 10 34 30 22 29	7 3 24 25 14 10 28 4	12444855	3 2 3 10 6 1 8	1 1 1 1 1 1 1 1		1 1 - 1 - 4 -	2	1 - 1 - 1 - 1 - 1	11111111	1			3	1 3 -	2 15 13 1 - 4	1
Battersea	54675 52587 - 36380 28001 18235 25558	53 41 15 17 6 26	17 31 7 14 7 6	5 7 6 1 2	2 6 2 1 3 2	11111	2	111111	1	1 2 -	111111	1 1 -	11111	1	1 2 2 -	3 2 1 3 -	6	11111
vich berwell WwL*L*- S. & L. & S. & L. & S. & L. & S. L. & S. L. & S. L. & S. L. & S. L. & S. L. & S. & S	5590 59104 71089 50810	?6 41 46	1 48 38 26	5 6 12	1 16 10 2	1 1 1 1	2 5 1	1111	2	1 2	1111	1		1111	1	1	24	2 2
Paul Deptford w K. Nicholas Deptford K. nawich West H K. nawich East WHH K.	76752 7901 21972 24605	55 3 11 20	34 5 4 23	4 2 -	8 1 2 12	1111	- - 1	4	1 -		1 1 1 1	2	1111	1111	- 2	2 - 2	8 -	1 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5049 21559 19865 26076	5 6 12 20	1 7 11 14	2 2 4	- 3 2 3	1111	1111		1 1 1 1	1 1 1 1		1111		2	- 1	1.1 1.1	- 1	2
riton HH K. liwich Dockyard K. liwich Arsenal HH K. mstead, West H K. mstead, East W K.	10930 17617 19045 14009 19241	6 14 16 10 24	5 10 17 6 18	2 8 3 5	1 2 2 3	1 11111	5 1 1	11111	11111	- 2	11111	1	1 1 1 1 1 1	4 1 1 1 1 1	4 1111	1	1 4	1
oital Ships and Camp, Dartford - chmore Hill Hospital - rham Asylum nth Asylum seden Asylum Jilil Asylum Jilil Asylum Gill Asylum Gill Asylum	1 2 2		1 3 5 2 - 3 7 -	1111111	1 4 - 4 -	1	100 100 100 100 100 100 100 100 100 100		1111111111			11111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. 111111111	1111111		1 8 5 2 - 3 7 -	

TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).

AREA: POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 22nd November, 1890

		Area						2	The D	EATHS	registe	ered im	the V	Veek i	nelude			
egis-		in Aeres,	Enume-			Deat	hs of				Deaths	s from						100
District and Sub- district Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881,	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fover.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes
LO	DON - OUTER RING	370,924	950,957	747	418	122	94	-	40	5	10	7	3	3	9	20	37	-
80:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21113 10710	9	8	1 3	1	-	-	-	-	2	-	-	1.	1	3	
87:1	Godstone (part of) * -	2754	12 85	2		-		-	-			-	-	1		2	- 7	
38:1	Croydon Ww L - Mitcham w	20851 11697	101241 17982	11	* 46 2	8	17	-	1	. 1	4	2	-	-	-		-	
89:1	Wimbledon HHH -	3220	15950	13	2	3	2 3	-	- <u>-</u>	-	-	1	-	-	-	1	-	1
3	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	10 10	4	. =	2	-	-	-	-		-	-		1	-	1
40:1	Hampton H Richmond WH	4573 2272	18539 21302	6 10	6	3	1 2	-				-	_	-	_	-		
2	Mortlake	2941	12331	7	4	1	1	-	1	-	-	-	-	-	-	-	-	
41:1	Bromley(pt.of)*HHHH Chishrst(pt.of)* WHH	15669 14807	81142 15844	83	7	3 1	2	-	-		-		-	-	1	1	.1	
42;1	Bexley H	18437	24134	21	7	1 -	2	-	-		1	-	-		. 1	1	1	:
124:1	Dartford (Ww, pts. of)*	11055	11685	14	3	-	l-	-	-	-	-	-	-	-	-	-	-	
3	Staines W	13277	12089	10	4	2 4		_				1			-	1	7	
125:1	Hillingdon WHH -	6029 6178	10802 3225	12 6	2	1	1	-	-	-	-		-	-,		-		
8	Hayes wHL	14587 7008	11523 22727	6	8	2	8	_	1	-	-				1	1	1	
126: 1	Twickenham H-	2477	12479	10	1		1	-	-	-	-	H		-	2	2	-	
8	Brentford HL Chiswick	4845 1840	27849 15975	19	12	1	2	-	3 -	-	-	-	-	-	1	1	-	
5	Acton wH	6083 13809	22876 12796	18	11 8	1	2	-		1	-	-	_	_	-			
127:1	Harrow H Edgware H	6994	3749	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	Willesden Hendon W :	4383 8382	27458 10484	38 13	21 9	7 2	6	-	1.	-	-	-		-	-	1	6	
137 : 1	Bushey	9831	6621	2	3	2	1		-	-	-	-	-	1	-	-	-	
128 : 1	Watford (W, pt. of) -	15599	6891	7	1	-	1	4	-	-	-	-	-	-	-	-	-	
2 8	Barnet Finehley HL	5438 4688	10092 17615	8	4 3	1	1		3	-	-	-	-	-	-	-	-	
135 : 1	Hatfield (part of) * -	8806	588	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
198 : 1	Hornsey H Tottenkam H	3089 4642	37078 45456	34 44	9 22	1 9	5 8		1	-	-	-	-	-	-	4	1	
3	Edmonton Ww : -	7453	23468 19104	22	6 11	2	-	-	-	-	1	-	-	-	-	-	1 2	
5		19658 11017	5868	3	2	-	1	-	-	-	-	-	-	-	-	-	-	
186:1		8480	7785 38606	18	15	7	1 2	-	-	1	-	-	1	-	1	1	1	
2	West Ham wHHH -	4055	90847	109	79	24	4	-	22	1	2	-	i	1	1	1	1	
4	Leyton WwL	8296 4372	10706 32480	32	13	8	7	-	2	-	1	1	. 1	-	-	-	8	
187:1		11761	28869	80	11 8	1	1	-	-	-	-	-	-	-	-	-	-	
3	Epping (W, pt. of)* -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1:	
189:1	1 7	6730 8498	3411 7645	9	5	1 -	1		1 -	-	1	-	-	-	-	-	1 -	
8	Barking Town	4127	9203	18	4	1 -	-	-	-	-	-	-	-	-	1	1	-	1

^a The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as takes \$3:2. Epsom suc-district, except the parishes of Ashstaad and Headley. (pop. 1285); 27:1. the parishes of Warlingham and Farley in Godstone sudistrict; 39:3. Esher sub-district, except the parish of Esher (pop. 1285); 41:1. Bromley sub-district, except the parish of Chelsfield (pop. 1818); 41:2. Chiefeldures sub-district; except the parish of Chelsfield (pop. 247); 135:1, the parish of Northaw in Hattle sub-district; except the parish of Theydon Bois (pop. 375); 139:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 137:2, Watford, and 137:2, Epping, sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the Week ending Saturday, 22nd November, 1890.

Area						The Dr.	ATH	regi	stered	l in t	he W	eek i	inelud	e	
in Acres,	Estimated	per 100		1	Deat	hs of			1	Death	s fro	m		7	Public ions.
tidal water and	middle of 1890.	From	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.	Deaths in Pu
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	11.	15.	16
448,334	5,758,500	19.3	2.2	2134	491	511	_	116	31	47	40	26	14	65	462
	4,421,661 1,336,839	20°2 16°3	2·4 2·7	1716 418	369 122	417 94	1 1	76 40	26	37 10	33	23	11 3	56	425 37
	Acres, including tidal water and foreshore.	in Acres, including tidal tida	Area in Acres, including tidal water and foreshore. L. 2. 3. 448,334 5,758,500 19 3 - 77,410 4,421,661 20 2	in Acres, including Population, tidal water and foreshore. 1. 2. 3. 4.	Area in Acres, including tidal water and foreshore. 1. 2. 5. 4. 5. 4. 5. 448,334 5,758,500 19 3 2 5 2134 77,410 4,421,661 20 2 2 2 4 1716	Area in Acres including tidal water and foreshore. Estimated population, middle of 1890. From All Causes. From All in Cols. 8-14. DEATHS from ALL CAUSES. I 448,334 5,758,500 19·3 2·5 2134 491 77,410 4,421,661 20·2 2·4 1716 369	Area in Acres, including tidal water and foreshore. 1. 2. 5. 4. 5. 6. 7. 1. 448,334 5,758,500 19 3 2 5 2134 491 511 - 77,410 4,421,661 20 2 2 4 1716 369 417	Area in Acres, including tidal water and foreshore. 1. 2. 5. 4. 5. 6. 7. 8. 1448,334 5,758,500 19 3 2 5 2134 491 511 - 77,410 4,421,661 20 2 2 4 1716 369 417 -	Area in Acres, including tidal water and foreshore. 1. 2. 3. 4. 5. 6. 7. 8. 9. 1448,334 5.758,500 19 3 2 5 2134 491 511 - 116 - 77,410 4,421,661 20 2 2 4 1716 369 417 - 76	Area in Acres, including tidal water and foreshore. 1. 2. 5. 4. 5. 6. 7. 8. 9. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	Area in Acres, including tidal water and foreshore. 1. 2. 5. 4. 5. 6. 7. 8. 9. 10. 11. 1448,334 5,758,500 19 3 2 5 2134 491 511 - 116 31 47 - 77,410 4,421,661 20 2 2 2 4 1716 369 417 - 76 26 37	Area in Acres, including tidal water and foreshore. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 1448,334 5.758,500 19 3 2 5 2134 491 511 - 116 31 47 40 - 77,410 4,421,661 20 2 3 4 1716 369 417 - 76 26 37 33	Area in Acres, including tidal water and foreshore. 1.	Area in Acres, including tidal water and foreshore. 1890. From All Causes. In Cols. 8-14. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 1448,334 5,758,500 19 3 2 5 2134 491 511 - 116 31 47 40 26 14 - 77,410 4,421,661 20 2 2 2 4 1716 369 417 - 76 26 37 33 23 11	Area in Acres, including tidal water and foreshore. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 15. 1448,334 5.758,500 19.3 2.5 2.5 2.134 491 511 - 16 31 47 40 26 14 65 - 77,410 4,421,661 20.2 2.4 1716 369 417 - 76 23 37 33 23 11 56 37 399 1.222 220 1.222 224 1716 369 417 - 76 23 37 33 23 11 56 37 399 1.222 220 220 1.222 220 220 1.222 220 220 220 220 220 220 220 220 220

NOTE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal to 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

	POPULATION				ANNUAL	D	BATHS	FROM	PRIN DISEAS	ES.	ZYMO	_
Citins.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS. Exclusive	DEATHS. of Stillborn.	DEATH- RATH per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
CALCUTTA	433,219	September 20	-	196	23.6	-	_	-	-	_	75	16+
BOMBAY	773,196	October 28	320	346	19.4	-	_	2	2	9	80	27
MADRAS	398,777	,, 3	390	666	86°8	-	9	2	9	9	131	310+
PARIS	2,260,945	November 15	1099	979	22.5	1	12	3	24*	2	18	64
RRUSSELS	4/77,288	, 15	248	173	18.8	5	4	1	-	2	2	13
ith 8 Faubourgs.)												
AMSTERDAM -	406,302	99 8	220	163	20.9	-	4		8.	1	1	-
ROTTERDAM	203,486	,, 8	141	79	20'1	-	-		-	2	-	
	156,497	» 8	71	70	23.2		3	-	-	-	-	
COPENHAGEN -	3 12,387	,, 15	184	123	20.5	-	5	3	4	3	1	4
BTOCKHOLM -	236,350	,, 8	159	90	19.8			8	5*	1	-	4
CHRISTIANIA -	143,300	,, 15	45	51	18.2	-		2	1	200	-	1
T. PETERSBURG	924,466 {	n 1 n 8	-	365 399	20°6 22°5	17 16	2	15 18	12 5	4	5	29 28
BERLIN	1,547,533	,, 1	842	501	16.7	-	-	3	83	9	4	38
HAMBURG(State)	591,647	,, 8	421	234	20.6	-	1	1	6	2	5	32
DRESDEM	269,250	,, 8	135	90	17.4	-	-	1	5*	-	-	6
BRESLAU	324,400	,, 15	210	121	19.7	-		6	8*	3	-	6
MUNICH	298,000	,, 15	-	134	23*4	-	2	. 1	6*	2	-	17
VIRNNA	822,176	,, 15	571	331	20.9	-	2	3	12	1	1	20
PRAGUE	314,425	,, 15	-	153	25°4	1		3	3	1	1	3
BUDA-PESTH -	463,017	,, 8	268	233	26.2	-	1	10	23	-	3	12
TRIESTE	160,092	,, 15	105	70	22.7	~	-	-	3*	-	1	ត
Romm . :	417,392	October 18		-	-	-	- 1	-		-	-	-
TUBIK (10 days)	314,827	November 1	- 00	110	36.6	-	-	-	- 49	-	-	-
ABRICE	156,800 {	", 8	68	99	32.9	8 21	4	-	3*	-	1	5
CATEO	374,838	October 16	349	293	40.6	-	-	-	2*	1	. 17	91
ALEXANDRIA -	. 231,396	, 16	167	144	32.4	-	-	-	2*	-	8	33
NEW YORK -	1,617,997	November 1	• -	602	19.1	-1	7	3	22	6	11	17
RECORTIN -	871,852	, 1	-	362	21.2	-	1	10	15	4	7	3
PHILADELPHIA -	1,064,277	, 1	-	\$28	16.1		-	7	15	4	7	8
BALTIMORE -	500,343	, 1	-	151	15.7	-	-	1	5	-	5	1
NEW ORLEANS-	254,000	October 18	-	-	-	-	-	-	-		-	-
			1	- ''								Will Stephen

^{*} Including deaths from croup.
† Including 3 deaths from cholera in Calcutta, and 188 in Madras.

Table 9.—METEUROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwing, during the Week ending Saturday, 22nd November, 1890.
[Under the Superintendence of the Astronomer Royal.]

100	_						_	_	-	71 666	_	9			.07.00						
1		2		0.0	0.6	0.0	0.0	0.5	8.0	0.0	₹.0	27	в; по	r, are	aximum the air deduced	aphic	and,	and	The ;	show	07 in.
	Rain	in a Gauge Whose	surface is 5 inches above the the Ground.	fn. 0.01	00.0	₹0.0	00.0	00.0	0.02	60.0	Sum 0.10	26	of the sea	thermometer, are from a discussion ne barometer, and	he maxi e of the are ded	photogra	1875. "higher,"	ro feet b leptford, ns from	Electrometer.	rument,	elt to 30
	-	on's.	Depar- ture from Average of	Miles.	-174	1 44	-125	0.	+149	+218	Sum - 86	25	in level o	ulb ther seed from or the ba	ings of taperatur umidity	n of the	ending 1	th of tw rket at L 1structio	g Electrician	ine Insti	of the we
	5.	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	124	255	175	292	450	518	Sum 2009	24	the mes	the wet being sedious deductions deductions in 1873 finite the control of the con	the corrected mean of the readings of the maximum the mean daily value of temperature of the air temperature and degree of humidity are defined and west hull thermometers by Glasher's Homes	discussion that of	16 years	uspended at a depth of two feet beforeign Cattle Market at Deptford, Market, under instructions from	Thomson's self-registering ative; w. weak; m. moder	es Sunsh underst	eginnîng 20th: an
a po out	lomerer		an 24 mrly 8.	lbs.	0.0	0.0	0.0	0.0	9.0	6.0		23	t abov	r, and	y vain	om a	or the	eign Carket,	s self.	l-Stok	tthe b
A now	п Апеп	Pressure on the	Least. b	lbs. 7	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fee	ometer on of cuty years	n dail	ived fr	cords f	re susp ne For	omson'	day.	13 in. a
Cad Poor	iced iro	Pressu	Great. L	lbs. 1	0.0	6.0	0.0	9.0	4.0	0.9	:	21	eter is	therm pplication the twer	e corre	at der	tric re	s of the	m Th	the Cannon each	om 30°
Witnest on deducad become American control	wind as dedi	Osler's.	P.M.	S. S.W. & W.	SW. & SSW.	WSW. & W.	WSW.:	WSW.	SW. & NW.	WSW.	& SW.	20	f the barom	the dry bulb ues by the ag ade during the	forming the dew point tem	the air is th	the anemome	ter of the Thames are so of the jetties of the F by the Clerk of the	is derived from positive; N. neg	derived from ht sunshine orological ob	midnight. r decreased fr sed to 80.81 in
-04		General Direction.	A.M.	ESE, & SE.	SW.	SSW. & SW.	WSW.&SW.	WSW.	WSW.	W. & WSW.	WSW.	19	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no observation has been applied to the readings to reduce to sea elevel.	Observations are usually taken as the factor in 1001; our rest, and the web built the ments of the converted into mean daily values by the application of corrections deduced from a discussion converted into mean daily values by the application of corrections deduced from a discussion of the photographic recovers made during the twenty years ending 1873 for the Abronectic and drink the twenty vears ending 1873 for the Abronectic and drink the twenty vears ending 1875.	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column s). The mean daily dew point temperature and degree of humidity are defined from the mean daily value of the dry and war bulb thermometers by Goisber, Hams	metrical Tables. The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1888, and that of horizontal movement.	of the air from a discussion of the anemometric records for the 16 years ending 1875. In receding the columns and 25 it will be borne in mind that + indicates "high and a long and that the access of the second se	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the	Orporamon or London. The record of Electricity is derived from Thomson's self-registering Electrometer. The record of Electricity is derived from Thomson's self-registering Electrometer. Symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; *, variable.	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the agreemed chaustion of bright sunshine on each day. The results of all the meteorolegical observations are to be understood as anniving to the	civil day, or from midnight to midnight. The reading of the busneter decreased from 30.13 in. at the beginning of the week to 30.07 in. by 60. p.m. on the 16ft : increased to 30.31 in. by 90. A. M. on the 20th : and decreased to 30.31 in. by 90. A. M. on the 20th : and decreased to 30.32 in.
r moye		Water hames	Low.	46.2	7.97	46.4	76.5	6.27	45.9	45.4	46.1	18	tht of has be	gs of the property of the prop	bulb thun the The	ables.	rom a	mome e, at the	The record of mbols employed variable.	nbers i	ling of
A TITLE TO	ATUKE	Of the Water of the Thames at Deptford.	High.	9.47	9.14	47.4	47.1	6.9	8.97	46.6	1.17	17	he heig	readin rerted he pho	minin minin mmn 8	metrical Tables. The average to	he air f	he there surfactr read	he reculos en the land of the	he nur aggred	he readsh. P. M. P. M.
THE ASTRONOME	CMPER		Lowest on the Grass.	42.8	33.7	39.2	49.8	45.9	40.0	34.2	40.8	16	Loon			reco	of I	the			civi T bv 8
7 (0 92	3	Of Badiation.	High- est in Sun's Rays.	64.8	2.89	68.2	60.3	8.99	6.09	2.69	64.0	15		oon and	7h. and			-	evening;	morning; overeast at night.	
remen		Degree of Hu-	ration equals 100).	. 88	95	92	90	92	85	82	90	14	202	afternoon	evening	**				morning; at night.	
th erra	ween		Least.	0.0	0.0	0.0	0.0	₹.0	2.2	2.1	4.0	13	MARE	rain in	ne fog b	ıal rain			quent r	in mon	
Under the Superintendence of the Astronomer Augus.	ence bet	the Air Temperature and Dew Point Temperature.	Great.	e 4.0	0.9	4.4	2.2	8.4	8.9	2.8	5.2	12	GENERAL REMARKS	overcast; slight rain	morning; dense fog between 7h. and with little cloud till evening; over-	oceasior			vith fre	cloudy ening a	
Onder	Differ		Mean daily value.	2.1	1.5	7.7	8.7	2.5	4.4	50	3.0	11	NER	ercast;	mornin with li	reast		erally.	night, v	rtially in in ev	
		Of the Dew Point.	Mean daily value.	48.6	44.6	49.3	2.09	50.5	44.7	41.0	47.1	10	GE		Fine in early h. A.M.; fine st at night.	Generally overcast; occasional rain.	184.	Overcast generally.	s at nig	and pa	
200	RE.		De- from Average of	0. +	9.5 +	+10.5	+12.1	+11.4	6.4 +	+ 5.5	9.8 +	6		Generally evening.	Fine in early 11h. A.M.; fine cast at night.	Gener	Overcast.	Overe	Overcast till night, with frequent rain in cloudiess at night,	Fine and partially cloudy in afterwards; rain in evening and	
1	TEMPERATU	vir.	Mean daily value.	0 20.7	46.1	21.1	53.5	52.7	1.67	46.3	0.09	00	n above brizon, hours.	φ. φ.	2.8	7.8	9.8	9.8		. S	Sum 60.4
The state of the s	TEMP	Of the Air.	Daily Range.	. 8	12.4	8.8	8.8	6.5	9.01	11.3	6.8	7	Registered Sun above Sunshine, Horizon, in hours.								
П			Low.	45.9	40.0	46.5	51.3	49.2	43.2	39.2	45.1	9	Registe Sunshi in hou	0.1	1.6	0.0	0.0	0.0	0.0	1.4	Sum 3.1
-			High-	54.8	2.79	55.1	55.1	22.4	1.79	20.8	24.0	2	n of te.)		•				with	•	
RABO.	METER.	Mean daily reading	rected and re- duced to 32° Fahren- heit).	4n. 80.078	30.223	30.237	30.589	30.585	29.960	29.838	30.140	4	ELECTRICITY. (For explanetion of symbols, see Note.)		P. generally	*			enerally ween th		12 P
		Phases		Greatest	Dec. S.	Perigee.	FirstQr.	:	:	In Equator.	:	8	ELEC (For ex symbol	w. P.	W. P. 86	W.P.	W. P.	W.P.	w. P. generally with m. N. between ;h. and 8h. P.M.	w. P.	
			A	I co		18.	10	20	21	22		1:		16	151	97	19	50	12	22	
		1890.	Monte and Day.	NOVEMBER. SUN 10	Mow.	TUES	WED.	THUES.	FBI	SAT.	MEANS	No. of Col.	DATE. NOVEMBER.	SUNDAY .	MONDAY .	TUESDAY .	WEDNESDAY	TRUBEDAN.	FRIDAY .	SATURDAY.	

OFFICIAL COPY.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 48. 1890. Vol. LI.] WEEK ENDING SATURDAY, NOVEMBER 29. [Price 1] d.

General Register Office, Somerset House, 1st December, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 19.0 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending	3		1	Weeks	endin	g
Towns.	Nov.	Nov.	Nov.	Nov.	Towns.	Nov.	Nov.	Nov.	Nov.
	8.	15.	22.	29.	1	8.	15.	22.	29.
Birkenhead	25.3	21.3	17.4	18.4	Liverpool	24.1	21.8	21.1	18.7
Birmingham	20.2	19.4	18.3	18.4		20.4	20.2	20.2	18.0
Blackburn -				21.1	Manchester -		31 · 1		
Bolton -				21.6	Newcastle-on-Tyne	22.7	25.9	21.4	21.8
Bradford -				16.5	Norwich -	24.1	20.8	21.3	17.0
Brighton -				19.0	Nottingham -	14.7	15.3	19.6	16.6
Bristol -				15.9	Oldham	22.7	30.6	27.4	22.4
Cardiff -			25.0		Plymouth	18.5	22.5	18.5	24.5
Derby -	16.0	15.0	15.2	15.0	Portsmouth -	19.3	21.2	24.4	20.4
Halifax -	18.4	21.6	30.5	21.6	Preston	22.8	24.8	17.4	26.8
Huddersfield	18.3	17.1	18.3	21.6	Salford	18.5	23.7	24.9	15.5
Hull	17.8	18.5	18.5	18.8	Sheffield	20.7	22.2	25.1	19.4
Leeds -	20.8	22.9	23.4	19.2	Sunderland -	18.7	21.8	24.1	16.8
Leicester -	15.9	20.9	15.9	19.9	Wolverhampton -	21.3	19.4	20.0	20.6

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.7 in Sheffield, 2.9 in Manchester, 3.2 in Bolton and in Oldham, 3.5 in Preston, and 4.0 in Birkenhead; from scarlet fever, 1.1 in Salford and in Sheffield; from whooping-cough, 1.0 in Leicester and in Preston; and from "fever", 1.0 in Newcastle-upon-Tyne and 1.3 in Plymouth. The 58 deaths from diphtheria included 48 in London and 2 in Sheffield. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 1980 berths and 1527 deaths were registered. Allowing for increase of population, the births were 730, and the deaths 169, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20·2 in each of the preceding two weeks, declined last week to 18·0. During the past nine weeks of the current quarter the death-rate averaged 19·4 per 1000, exceeding by 0·1 per 1000 the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 64310.—9. 635.—12/90. Wt.

The 1527 deaths included 76 from measles, 27 from scarlet fever, 48 from diphtheria, 15 from whooping-cough, 12 from enteric fever, 2 from ill-defined forms of continued fever, 16 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 196 deaths were referred to these diseases.

being 15 below the corrected average weekly number.

No death from small-pox was registered, the corrected weekly average being 9; no case of this disease was under treatment on Saturday last in the Metropelitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had been 63 and 76 in the preceding two weeks, were again 76 last week, exceeding the corrected average by 15. The fatal cases of scarlet fever, which had been 15 and 26 in the preceding two weeks, numbered 27 last week, and were 15 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 2000 scarlet-fever patients at the end of last week, the numbers on the preceding three Saturdays having decreased from 2122 to 2059; 139 cases were admitted during the week, against 186 and 205 in the preceding two weeks. The deaths from diphtheria, which had been 29 and 37 in the preceding two weeks, further increased last week to 48, this number being double the corrected average, and higher than any weekly number on record excepting that in the forty-fifth week of this year, which was 50. The 15 deaths from whooping-cough were fewer than the number in any previous week of this year, and were 22 below the corrected average. The 16 deaths from diarrhea and dysentery exceeded the number in the previous week by 5, and the corrected average by 3; 10 were of children under one year of age.

The deaths referred to *enteric fever*, which had been 29, 24, and 23 in the preceding three weeks, further declined last week to 12, being 9 below the corrected average. The Metropolitan Asylum Hospitals contained 185 cases of enteric fever, and one of typhus, on Saturday last; 18 cases of enteric fever were admitted

during the week, against 24, 20, and 18 in the preceding three weeks.

Two deaths were primarily attributed to influenza, against 6 and 3 in the

preceding two weeks.

The deaths referred to diseases of the respiratory organs, which had been 465 and 459 in the preceding two weeks, further declined last week to 375, and were

61 below the corrected average.

Different forms of violence caused 64 deaths, concerning all but 3 of which inquests were held. Of these 64 deaths, 10 were cases of suicide, while the remaining 54 were attributed to accident or negligence. Six of these were caused by horses or vehicles in the streets, 8 by burns or scalds, 3 by poison, one by drowning, and 14 (including 9 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 2586 births and 1929 deaths were registered, corresponding to annual rates of 23·4 and 17·5 per 1000 of the estimated population. In the Outer Ring 21 deaths were referred to measles, 14 to diphtheria, 9 to scarlet fever, and 5 to "fever." Of the deaths from measles, 12 occurred in West Ham subdistrict. The deaths from diphtheria included 4 in Leyton, 2 in Walthamstow, and 3 in Croydon sub-districts. Three deaths from scarlet fever occurred in Walthamstow sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.68 ins.; the lowest reading was 29.10 ins. on Monday morning, and the highest 30.11 ins. at the end of the week. The mean temperature of the air was 34°3, and 6°6 below the average in the corresponding weeks of the 20 years ending 1868. The mean was above the average on Sunday and on Monday, while it showed a deficiency on each of the other days of the week, amounting on Friday to 19°1. The direction of the wind was variable, and the horizontal movement of the air averaged 15.9 miles per hour, which was 3.5 miles above the average in the corresponding weeks of 16 years. Rain or melted snow was measured on four days of the week, to the aggregate amount of 0.18 of an inch. The duration of registered bright sunshine in the week was 0.8 hours, against 5.2 hours at Glynde Place, Lewes.

PROPERTY.		MATERIAL MATERIAL PROPERTY OF THE PARTY OF T	in the same	-	-	TOCAL PARTY	THE PERSON NAMED IN		arthur area																									
	CITIES	AND BOROUGHS,	Cols.	- 28 TOWNS.	LOWDON	BRIGHTON.	PORTSMOUTH.	NORWICH.	PLYMOUTH.	BRISTOL. WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	Nothingham.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURK.	HUDDERSFIRED.	HALIPAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	NUMBELLAND.	CARDIFF.		EDINBURGE.	GLASGOW. DURLIE.		.1881
111	r A Li Le	In Centi- metres.	24.	1.73	0.46	0.53	0.58	8	26.0	0.81	ı	ı	2.34		1	1.78	1	,		1	1		,	2.41	3	_		2,02	1 1	-	1.78	4 .6	70 7	until 1
RAINBALL	MAIN	-sequal ul	23.	89.0	0.18	0.51	0.11	1	0.38	0.63	•	1	0.03	1		04.0	ı	1		1	1	1 1	*	0.05		1		1.45	1 1	- 1	0.00	1 66.0	90	eturns
E AIR.	Mean.	-shargidnaU	22.	2.23	86.1	1.17	30.8	1	63.7.0	1.83	,	,	2.50	1	1	1.67	,	1	,	1		1 1	,	00	1	1	1.67	- F	1 1		1.73	1 88	200	sekly F
E OF TH	M	diadrende the	21.	36.0	34.5	34.1	2.00	1	280	35°3	1	1	36.5	1	1	35.0	1	1	1		1	1 1	'_	38.8	1	1		36.4	1 1	-	33.1	1 -26		the W
TEMPERATURE OF THE AIR.	.3	преіт	20.	16.5	18.3	0.11	16.2	. 1	31.2	6.03	1	1	25.3	1	,	0.13	1	1	9	,	1	1 1	,	0.25	1	1	1.5	0.77	1 1		0.17	10.4	=	unt in
TEMPE	.18	Fahrenheit Lowes	19.	58.6	58.5	55.3	57.2	1	0.12	55.2	-	1	1.99	1	1	55.0	ı	1		1	1	Z 8	1,	56.5		-			1 1		21.2	27.0		o accor
	he Deaths	From Diseases in Cols. 6-12.	18.	20	2.3				0.7		1.1	0.7	1.7	0.2	4.0	2.1	4.5	4.8	2.5	9.8	N	0.0	1.3	00	20.00	S°.4 ₩.50			6.0	-		0.0	-	The recent extension of this borough will not be taken into account in the Weekly Returns until 1891
Annual Rate per 1006,	to the Week's Deaths	From All	17.	0.61	18.0	10.61	₹.05	0.41	24.5	50.03	18.4	6.61	9.91	0.91	18.4	18.1	9.12	30.5	15.2			9.12		16.5	19.5				8.13	-	15.4	8.47		t be tal
	diss.	Uncertified of Do	16.	87	I	Н	r-d	1	1	1 1	0	7	,I	1	1	50	က	6	-			7 -	54			00	30	1	- I			533	7	ll no
	.81	Deaths in Public Internation	15.	969	405	7	G.	SI .	4 4 0	0 00	75	10	0.5	9	0	4.1 2	တ	46	H		L- 1		-31	10	16	30	11	10 i	0 0	-		00 F	-	ugh wi
		Inquest Cas	14.	266	121	1	1	10	000	0 1	13	1		90	1-	12	10	27	10	1	67 r		েকা	00	90	23	9		1- 4	-	o.,	Or. 10	9	s horo
nde	1	Vloience.	13.	135	64	1	20	61 ,	-1 2	a 1	10	1	1	9	1	00	31	10	63	1	1 0	20 -	1	-	चें	20	4		01 00	5	1	00 K	a .	of thi
ek ine		.amdrraid	12.	51	16	П		1 0	:1	1 1	0.1	1	г	-	1	48	80	13	Н	1	c1 1	→ 1	-	1	00	1	හ	_	oo 1	-	1	. 9	•	noisu
he We		Ferer.	11:	41	14	ı	-	1:0	21	1 1	ಣ	1	27	1	1	4	1	93	1.	ī	1 7	- :	ŧ,	-	63	21	ī	© 1	ರ್ 1		61	17		t exte
The DEATHS registered in the Week includs	from	Whooping-	10.	42	15	ı	1	L.	1 0	4 1	10	00	22	1	1	4	1	ı	1	-	6	21 1	1	00	63	1	1	-	1 -	-	61	100	n	recer
egister	Deaths from	Diphtheria.	9.	52	48	1	1		1	1 1	-	1	г	I	E	1	1	-	H	1	1	1 1	1	ı	Н	63	1	1	1 1		00	00	ı	† The
ATHST		Searlet Fever.	00	64	15	1	1	ī	1	1	Н	0.1	~	1	ı	11	1	20	10	1	1	1 1	-	c1	-	-1	1	-	1 1		67	4	1	ı
he DE.		Measles.	E-	172	94	6.1	1	6 3	1 0	9 -4	ಣ	1	Н	1	ò	63	10	21	ေ	6	1 1	- 1	1	1	1	11	Н		1 -	-	H	14	1	
Ţ		Small-pox.	6.	1	1	1	1	1	t	1	1	•	1		8	1	1	1	1	1	1	1	1 1		. 1	1	1	1	1 1		1		1	
	18 of	Persons ages 80 Years and upwards	5.	819	383	14	16	13	14	7 7	36	201	26	9	10	44	14	39	14	14	12	15	. 9	- 65	100	13	17	00	19	1	19	37	40	
	at	lnfants unde l Year of Age.	4.	222	206	6	16	10	6	200	47	61	0	63	11	5.1	11	46	20	16	13	15	40	14	4 60	35	18	13	15	F1	14	25	77	eturn,
uring	NOVEMBER 1	. 6	53.	3532	1527	45	56	31	22	7 88	163	5.9	7.8	29	87	220	48	220	75	63	20	400	3.4	7.6	134	124	24	44	88	95	80	252	091	f this R
Registered during	the Week ending 29th Nov., 1890.		93	4656	0831	34	70	41	37	54	207	80	33	53	20	292	68	96	117	81	09	65	2 67		213	173	112	85	126	- 50	130	351	4.6	page o
Regi		BIRTES.			31						61					61		61	_						61	1					7	\$3 P	7	first
	POPULATION estimated	to the middle of the Year 1880.*	λ.	9,715,559	4.421.661	123,659	142,952	95,352	78,780	532,248	461.865	154.344	244.909	100.871	105,019	613,463	115,816	879,487	242,509	146,716	123,553	105,163	\$2,034	240.615	\$68,799	832,837	213,833	186,506	162,987	TO CO CO	271,135	580,208	200,000	· See note on first page of this Ref
	-		Cols.		•		•			. NO				٠		٠		•									•	•			٠	0 1	1	•
	CITIES	AND BOROUGHS.	2	28 TOWNS	TOWDOW	BRIGHTON .	PORTSMOUTH	NORWICH .	PLYMOUTH .	BRISTOL WOLVERHAMPTON	BIRMINGHAM	TEICESTER .	NOTTINGHAM	DERBY	BIRKENBEAD	LIVERPOOL .	BOLTON -	MANCHESTER	SALFORD .	OLDHAM .	BLACKBURN .	PRESTON HUDDERSTELD	HALIFAX .	BRADFORD .	LEEDS	SHEFFIELD .	HOLL .	SUNDERLAND	CARDING .		EDINBURGU -	GLASGOW .		

Table 2. LONDON.—Births and Deaths Registered in the Forty-Eighth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
TOTAL Births	2442	2508	2535	2423	2587	2656	2414	2599	2367	2321	2710.1	1980
Males Females .	1256 1186	1280 1228	1315	1239 1184	1327 1260	1398 1258	1242 1172	1307 1292	1180	1202	1390·0 1320·1	1009 971
TOTAL Deaths	1446	1460	1605	1655	1716	1544	1618	1705	1352	1448	1695.6	1527
Males Females .	733 713	734 726	863 742	839 816	864 852	815 729	812 806	843 859	685 667	729 719	863·7 831·9	767 760

The numbers in this column are the average weekly numbers in the forty-eighth weeks of the ten years 1980-89, raised by 9 046 per cent. for increase of population,

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

	The Parket of th	CICHOLOGIC CO.	The second second	nt valence to contract to	10 A C C C C C C C C C C C C C C C C C C	CATTER NO.							
	Sept.	Sept.	Sept. 20.	Sept. 27.	Oct.	Oct. 11.	Oct. 18.	Oct. 25.	Nov. 1.	Nov.	Nov. 15.	Nov. 22.	Nov. 29.
Total Births	2469	2539	2355	2458	2433	2409	2412	2512	2295	2173	2321	2206	1980
Total Deaths	1514	1410	1375	1458	1413	1472	1741	1649	1817	1734	1709	1716	1527
Ages at Death O=20 years - 20—10 " - 40—60 " - 60—80 " - 80 years & upwards	796 177 240 245 56	687 183 238 256 46	667 200 214 232 62	740 182 236 256 44	726 170 223 253 41	747 180 240 254 51	870 204 316 281 70	835 200 264 296 51	827 206 336 372 76	785 222 331 318 78	758 239 296 313 73	789 226 283 350 68	662 207 277 300 81
\{\begin{array}{llllllllllllllllllllllllllllllllllll	459 247 90	395 217 75	376 227 64	429 207 104	433 193 100	436 213 98	491 260 119	429 306 100	413 303 111	393 283 109	392 257 109	369 308 112	296 263 100
Deaths from Small-pox "" Measles - "" Scarlet fever "" Diphtheria "" Whooping-cough "" Typhus - "" Enteric fever "" SimpleContafeve "" Diarrhœa and "" Dysentery -	18 1 128	39 18 18 35 1 18 -	93 14 35 38 38 21 - 94	1 22 16 38 29 - 18 2 86	30 20 28 18 - 24 1	- 38 20 38 29 - 24 1	59 20 41 30 - 21 2	70 29 23 28 - 15 1	95 16 26 19 - 26 - 43	74 23 50 20 29 29	63 15 29 25 1 24	76 26 37 33 - 23 -	76 27 48 15 - 12 2
", ", Cholera - ", all the above- mentioned Diseases		251	238	218	229	246	250	221	225	222	177	206	196
" " Dis. of Respira- tory System " Phthisis – " Dis. of Circula- tory System	180 139	136	187 157 136	222 130 104	262 123 100	197 147 123	340 204 144	417 139 151	450 189 156	465 153 141	465 174 139	459 184 134	375 151 130
Violent Deaths Inquest Cases Deaths in Public Institutions	54 98 391		43 83 360	52 103 377	61 107 335	49 113 346	52 123 397	50 114 382	57 119 395	65 143 432	55 131 410	56 109 426	64 127 405
TEMPERATURE OF THE AIR Mean Mean of Highest readings Mean of Lowest readings	- 58° 48° 48° 48° 48° 48° 48° 48° 48° 48° 4	73.2	71.7	69.2	66.5	64.1	56.5		50.4	51.7	52.4	54 0	34·3 39·8 28·9
Humidity of the Air - Rain-fall in inches - Registered Sunshine (in hour	- 83 - 0.00 s) 26.				76 00·0 36·9	1.							82 0·18 0·8

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverliampton: Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartunp, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.S., F.R.McL. See, Eradford: Mr. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and V.m. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.-DEATHS Registered at several groups of Ages from different Causes in the

				FO.	RTY	-EIG	HTI	I V	v eel	of the Year 1890.									
	the	30	Inturda				ding				the	- A-	I	n the	We	ek e	adine		DELETES .
	tor 10 ye						ns of				for the	Sat		y, 29					
4, 100	abe.		370		he A		113 01				ges he i		D	eaths tl	16 A	ersor ges	10 61		
CATTORIO OR PARAMET	9 of 8		τ	Inde		40,	.09	80.	wna.	CAUSES OF DEATH.	Averages oks of the 1 1880-89.*		ī	Inder	.	40.	60°	36.	7
CAUSES OF DEATH.	d Av	88		20.		under	under 60,	under			A A B B B B B B B B B B B B B B B B B B	90		20.		under	under	er	Bild.
	We	AGES						d ur	Years		We	AGES					un I	l un	Years
	Corre 48th	ALL	0-1.	1-6.	5-20	20 and	40 and	<i>6</i> 5	dn ap		Corrected 48th Week	ALL	0-1.	1-5.	5-20,	20 and	40 and		
						94		9	-		10-1	. 4	0		10	69	41	00	20
ALL CAUSES	1695*6	1527	296	266	100	207	277	300	81	Diseases of Organs of	0.0	S	2						
(Vaccinated! -	2.0			_		_				Special Sense †}	3.8		_	_	_	_	1	_	-
Small- Junyaccinated	3.7		٦	-	-	-		-	-	Diseases of Circulatory	125.8	129	4	2	8	21	43	41	10
No Statement	2.9	-	-	-		-	-	-		System -:}		120		-					10
Measles	60.8	76	21	53 16	10		_			Croup	15.9	9	2	7	-	-	-	-	-
Typhus	0.4	-		-		-	-	-	-	Bronchitts Pneumonia	109.3	211 121	54 25	47 31	12	13	27 17 2	65 19	11
Relapsing Fever †	0.0	- 2	-		1		-	-		Pleurisy - Other Diseases of Respi-	7 · 9 36 · 6	27	3	8	2	3	3	7	1 2
Influenza	0°1 37°4	15	6	8	1	_	1	1		ratory System }		-						_	
Diphtheria	23.6	48	1	33	11	2	1	**		Dentition † Quinsy, Sore Threat † -	10.9	7 2	6	1	-	- 1	-		
Simple Continued and \ Ill-defined Fever -	2.1	2	٨	-	-	1	1	-	-	Enteritis	6.1	9 5	2	1	1	1	4 2	1	
Enterio Fever	21'4	12	1	-	4	4	3	-	-	Diseases of Liver - Other Diseases of	31.0	26	1	-		4	10	10	1
Cholera and Chol. Diarr.	0'4	16	10	-		~	1	3	-	Digestive System -}	27.6	30	4	-	-1	7	.12	5	1
Diarrhea, Dysentery - Remittent Fevert	0.3	-	-	H		_		-	2	Diseases of Lymphatic)							-	-	
Hydrophobia	0.0		٦	-		-	H	H	-	System & of Ductless }	1.7	2	-	1	1	-	-	-	Н
Glanders Cowpox and Effects of \	0.0	H	H	-		-		-					-	-	_				
Vaccination † S	. 0'3	1	.1	H		-		-		Diseases of Urinary }	33.8	45	1	1	3	7	16	16	1
Venereal Affections - Erysipelas	8'9	12 5	8	2		-	2	1	1			_	-			-	-		
Pyemia and Septicemia †	3.0	6	1	1		2	2	-	-	Diseases of Generative	5.2	6	-	-	-	4	2	-	_
Puerperal Fever	1.9	3		-	2	1	-	-		Accidents of Childbirth -	3.4	3.	-	-	_	3	-	_	
Other Zymotic Diseases †	1 9					-	_	_		Diseases of Locomotive	0.5	4							
Thrush	1.4	1	1	-	-	-	-	-	-	System †}	9.5	2	-	1	1			2	-
Worms and other Para-} sitical Diseases}	0.3	-	-	-	-	-	-	=		Diseases of Integumen-	5'6	2				1		1	
						-				tary System}			_	_				-	
Starvation, Want of Breast-milk †}	1.7	-	-	-	-	-	-	-	-	William									
Alcoholism	5'5	7	-	_	-	1	6	-		VIOLENT DEATHS.									
Rheumatic Fever,	9.8	10	_							(ACCIDENT.) Fracture and Contusion	22.2	23	-	3	1	5	6	7	1
Rheumatism of Heart f	2.4	16			5	6	3	2		Gunshot Wound	0.0	1 -	-	-	-	-	-	i	-
Rheumatism †	4.1	2 2	-	-	-			1 2	1	Burn and Scald	7'4	8	1	3	3	1	1	1	-
Rickets†	3.2	5	-	5	-		-	-	-	Drowning	4'8 15'3	14	9	1	_	2	1 2	-	-
Cancer Tabes Mesenterica -	20.1	69	5		2	9	21	26	8	Otherwise	2.7	4	-	-	-	1	1	1	1
Tubercular Meningitis -	20.9	14	2	7 8	4	1	-	-	-	(Homicide.)									
Phthisis	173'7	151	1	2	16	76	46	10	-	Murder & Manslaughter	2.1	-	-	-	-	-	-	-	~
Scrofula, Tuberculosis - Other Constitutional?	14.3	12	6	5	-	-	1	-	-				-	-	-		-		
Diseases †}	10.1	13	-	-	1	5	2	4	1	(SUICIDE.) Gunshot Wound	0.0					4			
Premature Birth	37'9	27	27							Cut, Stab	0.9	3 1	-	-	-	3			-
Atelectasis +	3.0	2	2	-	-	-		-	-	Poison	1.3	1 3	-	-	-	1	- 2	1	H
Congenital Malforma-	9.3	8	6	2	-	-	-	-	-	Otherwise	0.8	-	-	-	-	-		-	
Old Age	56.0	_ 50	-	-	-	-	-	21	29			-			-				
Apoplexy	45.1	37	-	-	_	4	-	-	-	(EXECUTION.)	0.0			-					
Epilepsy	6.4	7	1	-	-	2	9	20	4	Hanging	0.0		-				-	-	
Other Discours of Spring	47.1	36	30	5	-	-	-	1	-	OTHER CANADA	61.1	49	44	2	1	1		1	
Other Diseases of Brain and Nervous System	85°3	69	5	8	4	6	17	27	2	OTHER CAUSES †	01.1	19	-12	-		1		*	
* The numbers in this	_	_	-	-				-	1		1	1	•		أالك		37		

the ten years average could not be correctly ascertained, the average for the eight years 1890-89, raised by 9.046 per cent. for increase of population. the ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

See cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When dical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered concept, the case is returned under the heading "no statement." evidence at inqueste is often insufficient to cause the Coronar ito certify whether a violent death be the result of accident, murder, aughter, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scarlet during the Week ending

				-			The	DEA	THE	egist	ered i	in the	Wee	kine	lude			
	Enume-			Deat	hs of					Deat	hs fr	om				1		
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881	Total Birras.	Total DEATHS.	Mear of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhes.	Violence.	Inquest Cases,	Deaths in Public Institutions.	Uncertified Causes
LONDON	3,815,704	1980	1527	296	381	-	76	27	48	15		12	2	16	61	127	405	1
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASTLUMS OUTSIDE REGISTRA- TION LONDON	669,638 905,947 282,238 692,738 1,265,148	287 448 113 870 762	279 336 93 295 499 25	38 66 22 64 106	85 90 15 66 120 5	-	8 12 2 19 85	4 -10 1 5 4 8	12 14 - 6 16	2 2 3 8	1 1 1 1 1 1 1	1 1 4 5 -	1 - 1	6 1 3 6 -	17 12 6 13 15 1	31 24 13 34 24 1	93 88 21 86 92 25	
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J. Kensington Town Wto Brompton H - W.M. & C. St. Peter Hammersmith - W.W. & S.J.	69898 87830 120141 48010 7599	51 7 53 8	21 17 40 19	5 1 7 2	5 5 20 4	11 11 11		1	1 - 1 - 4	1	13 11 11	1			1 3 1 1 - 2	2 1 - 4	1 11 16 6	
St. Paul Hammersmith H W.M. & G.J. Fulham Wie Chelsea Kensal Town Chelsea North WHIHHHH - C. Chelsea South HHH - C. Chelsea St. WHIHHHH - C. Chelsea South G.H. May Fair W - G.J.	64340 42900 15049 42683 30396 80353 59220	38 46 16 12 11 6	35 36 7 20 15 17 27	1 1 1 1 3 2	8 5 10 5 9 5		8	1	2 - 4 - 1	1	117711				1 1 1 1 - 5	6 2 1 1 - 5	11 - 8 5 15 12	
Belgrave WHHH- St. John Westminster HHH - C. St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHH - N.R. NAPER DESPRICES.	35496 24679 29941 16608	7 6 6 8	10 7 5 3	1 1 3	1 3	1 1 1 1	ī -	1111	1		11111		11111	11 11	- 1	-	1 3 1 - 7	
All Sonls Marylebone HHHHH W.M. Cavendish Square HHHHH — W.M. Rectory Marylebone W — G.J. & W.M. St. Mary Maryleb. HHHH G J & W.M. Christchurch Marylebone H — W.M. St. John Marylebone H — W.M. Hampstead WwHHHH — N.R. & W.M.	26759 14891 24809 21118 83700 83638 45452	10 18 16 15 28	3 7 4 8 10 21	2 1 5 2 4	2 2 2 5 4 4	11111	1111111	1 3	1 1 1 1 8	1	111111	111111		- 1	1 - 1	1 1 1	5	
Regent's Park Panoras #	89115 27729 30247 34359 17811 87437 67946	17 7 11 13 15 29 40	10 17 15 6 14 27	2 3 1 1 2 10	3 2 - 10 11 10		1	1117111	1 1 3	1		1 4 1 1 1 1	111111	1 1 1	3 - 2 - 1	5 2 - 2	12 7 1 12 8 18	
Islington South-east	100976 61895 52048 22781 9277 87610 76911	49 82 19 10 10 22 53	34 10 17 6 6 14 40	7 2 1 3 1 3 8	11 3 5 - 2 3 7	111111	2 - 1 4	2 1 3		1111111	1111111	1	111111	1	2	1 1 4	1 3 14	
Hackney WoworH - E.L.&N.R. South Hackney - E.L. CENTEAL DISTRICTS. St. George Bloomsbury - N.R. St. Giles North W N.R. St. Giles North W N.R. St. Martin-in-the-Fields HH N R. & C. St. Maryl-e-Strand H - N.R. St. Clement Danca H - N.R. St. Strand Waton Workhouse, Edmonton we.	16681 14864 13897 17509 7515 8559	24 16 4 5 1	5 8 4 5 1	5 - 2 1 2 - 1	3 2 2	1 111 111	4		111 111 1	1 111 111	- 11111	- 141 511		1	1 1 -	111	3 - 2 - 2	
St. Geo_she_Martyr HHHHHHH N.R. St. Andrew Eastern W	18671 10706 6588 17516 19281 14773 17506 11541 18628 9217 7463	3 3 2 8 5 7 6 4 22 6 1	7 3 2 3 8 1 5 3 10 2	2 2 - 2 1 1 4 1	1 2 1 1 1			1		11111111111		11111111	11111111111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 1 2 1	811	
8t. Botolph H - N.R.&E.I. Cripplegate - N.R. St. Sepulchre H - N.R. St. Bride W - N.R. Althallows Barking - N.R. Broad Street H - N.R.	7193 5358 8396 13666	4 1 1 4 2 1	1 11 3 2 1	2 - 1	1 1 1 -	11111	1-1-1-1-1	11111	111111	11111	11111	11111	1.1.1.1.1	111111	3	5 1	.81	

Note.—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Work house; H— Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which papers are received; se—Workhouse Establishme receiving inmates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts:—G. J. signifies Grand Junction Company; W. M. West, Middlesex; C. Chelsea: S. Southwark and Yauxhall; L. Lawbeth; N. R. New River; E. L., East London; and K., the Kent Company.

R, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHOEA, VIOLENCE, &c., registered in each Sub-district day, 29th November, 1890.

							The	DEA	THS	regist	ered i	n the	Wee	k ino	ude			
	Enume			Deat	hs of					Death	s from	n				1	1	1
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total Births.	Total DEATHS.	Infants under I	Persons aged 60 Years a unwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever,	Simple con-	Diarriuss.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertined Causes
East Districts. ditch South HL* - N.R. in New Town & - N.R. no Old Town - N.R. erston WH - N.R. & E.	22343 29937 28033 4627.5	8 23 12 23	3 12 6 19	2 1 - 1	1 7 1 6	1111	1	1 -	1 1		1111	1111	1101	1111	1111	1 3	1 7 10	
al Green North H - E.L. al Green South - E.L. E.L. al Green East WHL^*	51157 34399 41405	26 11 25	14 12 26	3 1 5	1 3 9		2	111	1		=	2			~ ~	1 -	12	111
fields E.L. & N.R. End New Town W - E.L. & N.R. tehapel Church H E.L. & N.R. an's Fields E.L. N.R. & E.L.	22585 15478 17490 9713 6102	16 9 19 2 5	7 13 20 2 3	3 1 2 1 2	1 8 -	71111	1 -	11111	1	11111	1.111	1	1 1 1 1 1	11111	6	2 8 -	9 17 -	11111
sorge's, North E.L. hin, St. George East W - E.L.	88747 8410	17.	12	2	3		2 -	-	-	-	-	-	-	1	1 -	1	Ĝ	1
vel: H E.L. & N.R. house E.L.	10335 16107 32041	3 5 14	9 6 8	3 - 3	- 2 1		1 -	111	1	- 1		-	-	1	1	2 - 2	5	-
End Old Town West H - E.L. End Old Town East $WwwH$ - E.L.	87960 67653 87074	21 43 25	7 83 18	3 10	1 8 5	-	4	1 -	-		-	-	-	, -	ī 1	1 3 2	7	1 -
L* - 'E.L E.L E.L.	64359 55077	33 27	ε0 26	6 10	10 2		1 5	1	1	1	-	ī	1,1 4	1	î	6 2	11	-
SOUTH DISTRICTS	18663 14999 21881 15958 21318 26672 59555 21@23	14 4 12 12 12 15 26 10	4 5 6 12 7 10 23 5	1 3 2 1 3 6 1	1 - 3 1 2 7 2	1111111	1 - 1	1111111	1	1111111		1111111	1111111	1	1 1 - 1	1 3 1 1 - 1	1 2 -	1111111
ave WH S. & L. ary Magdalen W S. mes Bermondeey - S. whithe WH S. & K.	11956 16300 15669 54632 86024	4 7 13 33 21	18 9 6 12 12	2 1 5 3	1 2 - 1	11111	- - 1	11111	11111	1	11111	1	11111	11111	3	5 1 1 - 1	16 2 3	1111
rloo-road 1st H - L, & S, rloo-road 2nd H - L, & S, eth Church 1st H - L, & S, eth Church 2nd WW - L, & S, ington 1st S, & L, ington 2nd - S, & L, 2nd - L, & S, out W, L, & S, out W, - L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W, L, & S, out W,	18198 16351 19876 39859 45232 35332 62887 19017	1 16 10 25 24 9 83 12	5 3 14 21 14 13 20 3	1 - 2 4 5 4 2 -	3 1 3 6 4 4 6 2	11111111	- 1 1 2 -	1111111	1 3 1 1 1 28 1	1	111111	1	11111111	1111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 189111	2 -
Battersea	54675 52587 36380 28004 18235 25553	36 38 14 28 11 12	7 23 5 10 8 16	1 5 2 4 1	1 7 2 9	111,111	1 3 -	11111	1	1	-	11111	111111	2 1		1	1 8 1 8 1	1
ich L. & S. cerwell WwL*L* S. & L. am W S. L., & K. sorge Camberwell - L. & S.	5590 59104 71089 50810	49 36 33	54 25 20	7 4 7	14 7 3	1111	5 4 2	1111	1	1111	1 1 1 1	2	1111	1	-		24	- 2
aul Deptford & 'K, icholas Deptford K, wich East WHH K,	76752 7901 21972 24608	46 2 11 22	34 1 9 15	4 - 2 5	8 - 3 4		3 -	3	3 -	1		1	1111	1	- 1		5	
m H K. H K. sham WH K. aham H L.	5048 21559 19865 26076	2 9 22 19	1 5 10 6	1 2	2 3 -	1111			1	- - 1	1111	1111		1111	- 1 -	1	1 3 -	
ton HH K. wich Dockyard K. wich Arsenal HH K. stead, West H K. stead, East W K.	10930 17617 1904- 14009 19241	11 6 17 8 22	3 3 12 1 1	1 5 - 3	2 2 - 3	1111	- - 4 - 3		11111	1111			11111	11111	1	1	1 - 5	11111
tal Ships and Camp, Dartford - hmore Hill Hospital bam Asylum - hth Asylum - ead Asylum - Hill Asylum - ell Asylum - y Hatch Asylum - of London Asylum -		11111111	2 1 4 1 2 6 5 - 4	11111111	3 1 1	11111111	1111111	21		1111111111	1111111	111111		111111111	1	1	2 1 4 1 2 6 5 - 4	1111111
of Lendon Asylum		1 -	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS). - AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 29th November, 1890.

AREA	; POPULATION; BII	rths at	nd DEA	THS 1	egiste	ered o	luring	g the	we	ek en	rung	Satu	raay,	2940	1 1/10/	rembe	er, 18	90.
əris-		4rea				1		,	The D	EATHS	regist	ered la	the \	Veek i	nelude			
ration		Acres,	Enume-		, .	Dea	ths of				Death	s from						77
snd snb- listrict Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-coagn,	Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public institutions.	Uncertified Causes of Death.
1.0)	NDON-OUTER RING	370,924	950,957	606	402	102	91	-	21	9	14	3	5	2	10	20	32	13
30:1	Carshalton wL - Epsom (part of) WwH	12228 9971	21118 10710	10 3	8	3 1	3 5	-	-		-	-		-	1 -	1 -	2	-
37:1	Godstone (part of) * -	2754	1235	-	-	-	-	-	-		-	-	-	-	-	-	-	-
38:1	Croydon Ww L - Mitcham w -	20851 11697	101241 17932	56 5	28	10	5	-			3 -		. ~	-		1	3 .	-
30:1	Wimbledon HHH -	3220	15950	11	4	2	1	-	-		-	-	-		-	-	-	1
2	Kingston WHH	8549	36354	23	11	2	4		- 1	-			1 -	-	-	-	-	3
:	Esher (part of) * - Hampton H	6901 4573	9221 13539	6	3	1	1 2			-		-	-	-		-	-	
40:1	Richmond WH	2272	21302	7	5	-	8	-	1		-	~	-	-	1	1	1	-
2	Mortlake	2941	12331	6	6	4	1	-	1		-	- 7.	7.	-		~	-	-
43:1	Bromley(pt.of)*HBHH Chishrst(pt.of)* WHH	15669 14307	31142 15844	13 12	3	3	6	_	-	-	1	-	-	_	_	-	1	1
42;1	Bexley H Dartford (Ww, pts. of)*	18487	24184	19	11 1	6	1	-	-	-		-	-	-	2 -	2	- 1	3 -
124:1	Sunbury w	11055	11685	9	4	1	1	٠ ـ			-	-	-	-			-	-
2	Staines W	13277	12089	2	3	-		-	-	-			-	-	1	1	-	-
125:1	Hillingdon WHH - Uxbridge	6029 6178	10802 3225	5	2		1		_		-	_		-	-	_	-	
8	Hayes wHL	14587	11523	13	6	1	2	-	1	-	-	-	-	-	7	-	-	-
120:1	Isleworth WHH -	7008	22727	9	10	-	4	- :	-	2		-		-		-	3	-
2 8	Twickenham H Brentford HL	2477 4345	12479 27649	7 18	7	1	1 4				_	_		-	-		-	_
4	Chiswick	1340	15975	12	11	3	1	-	1 .	-		-		-	1	1	-	-
Б	Acton wH	6083	22876	11	5	1		-	-		-	7 =	-		-	2	-	-
127:1	Harrow H Edgware H	13809 6994	12796 3749	5 2	6	2	3	_			-	-	-	_	-	_	-	
8	Willesden	4383	27458	24	19	5	2	-	-	-	1	-	2	-	_	1-1	_	-
4	Hendon W	8382	10484	1	6	-	1	-	2	-	-	-	-			-	5	-
13// 1 2	Bushey Watford (W, pt. of)* -	9331	6621	3	-	1	-	_	-		_	_	_	-	1-1	-		
198;1	South Min.ms	15599	6391	2	2		1	-		-	1			_		-		
2	Barnet	£433	10092	12	5	1	2	-	-	1-1	-	-	-	-	-	1-1	,3	-
8	Finchley HL	4683	17615	7	3	-		-	-	-	-	-	*	-	-	-	-	1
135;1	Hatfield (part of) * -	3306	\$83	1.	1	-	-		-	-		-		-		-		F.
2	Hornsey H Tottenham H	3039 4642	37078 46456	14 59	23	7	3	-		1	1	1	1 -		1	3	1	1
8	Edmonton Ww : -	7483	23463	15	9	2	3	-	-	-	-	-		-	-	2	3	-
5	Enfield WH Waltham Abbey	12653	19104 5368	12	11 2	2 2	3	-	2		-	-	-	-	-	1-1	2	-
6	Cheshunt H	8480	7735	1	3		2		-	-	-	-	-	-	-			-
180:1	Stratford	982	38606	29	14	4	3	-	-	-	-	-	-	-	1	2	-	-
2 8	West Ham wHHH - East Ham ww	4055 3296	90347	69	72	16	7 2	-	12	2	1 -		2	1	1	1	1	4
4	Leyton WwL	4372	32430	32	24	6	5	-	1	-	4	_	-	-	-	-	6	1
1000	Walthamstow H -	6520	25363	25	22	8	4	-	-	3	2	2	-	1	1	1	-	-
187:1	Chigwell (part of) * H Epping (W, pt. of)* -	11761	9633	5	1 -	-	1	-		-	-	-	-		-	-	-	-
189:1		6730	3411	1	1	_	-	_		-	-	_			-		-	
2 3	Ilford Barking Town	8493 4127	7645 9203	2 14	1 8	- 4		-	-	-	-	-	-	-	-	-	-	
1	2341	21.24	2450	1 11	110	, 2	- 1		-	1	-	-	-	-	-	-	-	-

^{*} The part of sub-districts included within that portion of the Metropolitan Police District which forms the Outer King are as follow:

30:2, Epsom sub-district, except the parishes of Ashated and Headley (pop. 1985); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:5. Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromisy sub-district, except the parish of Metalement and Knockholt (pop. 1818); 41:2, Chilelement sub-district, except the parish of Chelsfield (pop. 947); 135:1, the parish of Northam in Hatrield sub-district; 187:1, Chilgwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 29th November, 1890.

Area in Acres,	Estimated	of Mon	RTALITY	DEATHS	Deat		ATH	regi					includ	le	lie lie
tidal water and	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	GVEF.	jarrhos.	iolance.	eaths in Publicanting
1.	2.	3.	4.	5.	6.	7.	-	-						-	14
448,334	5,758,500	17.5	3.3	1929	393	472		97	33	62	18	19	18		
77,110 870,924	4,421,661 1,336,839	13.0 15.7	2.3	1527 402	296 102	381 91	_	76 21	27	43	15	14	16	64 10	405
	Acres, including tidal water and foreshore. 1. 448,334 77,410	In Acres, including India Population, middle of la90.	Acres in Acres in Acres in Acres in Including tidal water and foreshore. Estimated Population, middle of 1890. From All Causes. 1. 2. 3.	in Acres, including tidal water and foreshore. 1. 2. 3. 4. 448,334 5,758,500 17.5 2.3 77,410 4,421,661 13.0 2.3	Causes C	Acres in Acres in Causes Population, widdle of water and foreshore. 2. 3. 4. 5. 6.	In Acres, including tidal water and foreshore. Estimated Population, middle of 1890. From All Causes. From All causes. From Sin Cols. S-14. Causes. Ca	In Acres, including tidal water and foreshore. Estimated Population, middle of 1890. From All Causes. From Sieness in Cols. S-14. DEATHS Deaths of from ALL CAUSES. Infants aged 60 Years and of Age. upwards. Vear of Age. upwards.	Death Deat	Estimated Population, middle of 1890. From All in Cols. CAUSES. CAUS	In Acres, including tidal water and foreshore. Estimated Population, middle of 1890. From All CAUSES. From Siceases, is -14. DEATHS Deaths of Infants Death of 1890. To make the content of the content	Part Part	Path Path	Post Post	Death Deat

Tore.—The area of Greater London is 448,334 acres; of which 4,392 acres are tidal water and foreshore. This area is equal 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

Table 3. -Births and Deaths, and Rate of Mortality in 31 Foreign Cities, having an estimated Aggregate Population of 17,320,475 Persons.

Citime.	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending		BIRTHS.	DEATHS.	ANNUAL DEATH- EATH per 1000 living.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.						
							Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
LCUTTA	433,219	September	27									1	
MBAY	773,196	November	5	366	313	19.2		1	9	9	9	700	-
ADRAS	398,777	October	10	390	391	50.0	1	2	9	P	P	103	26†
RIS	2,260,945	November	99	1112	864								104†
RUSSELS	477,288	210101111111	22	263	198	19.9	1	13	4	27*	6	18	59
h 8 Faubourgs.)		**					3	6		-	2	4	11
ASTERDAM -	406,302	35-	15	241	168	21.5	-	1	1	7	3	1	-
IE HAGUE	203,486	33	15	139	80	20.4	-	2	-		-	-	1
	156,497	33	15	93	62	20.6	-	1		-,	nee	-	-
PENHAGEN -	812,387	D	22	220	103	17.2	-	4	. 2	7	3		1
OCKHOLM -	236,350	33	15	138	85	18.7	~	œ	8	7*	1	1	4
RISTIANIA -	143,300	99	22	30	39	14.2	-	-	2	7		-	3
PETERSBURG	924,466	53 1	15	-	365	20.6	8	3	16	12	2	10	25
RLIN	1,547,533	59	8	907	521	17.3	-	2	-	29	7	2	26
AMBURG(State)	£91,647	13	15	391	256	22.6	-	2	2	11*	1	2	19
tesden	2€9.250	33	15	163	68	13.1			1	1		1	1
BELAU	324 400	99	22	236	169	27.5		2	10	9		. =	2
JNICH	298,000	97	22	-	150	26.2	-	1	4	7*	2	-	21
ENNA	822,176	23	22	498	319	20.2	3	2	2	15	2	1	13
AGUE	814,425	33	22	-	148	24.5	2	-	. 4	4	4	1	5
DA-PESTH .	463,017	33	15	321	223	25.0	-	-	12	15	1	3	15
IESTE	160,092		22	88	73	23.7	-	-	-	5*	-	~	3
MB	417,392	October	18	195	152	18.2		-		3	_	10±	_
RIN (10 days)	314.827	10	10	-	-	-	_	-	_			101	23
NICE	156 800		15	76	119	39.0	28	3	-	-	_	1	13
IRO	374,838	October	23	-	-		-	-	_	_			
EXANDRIA -	231,396	**	23		**	-	-	-	-	bu	_	-	-
W YORK -	1,617.997	November	8	·	671	21.2	_	13	11	19	10.	10	20
OORLYN -	871,852	33	8		340	20.2	-	1	8	15	4	13	9
ILADRIPHIA -	1,064,277	33	8	-	348	17.0	-	-	6	23	3	8	2
LTIMORE -	500,343	0". 1	8	NO .	142	14.8	-	-	-	14	1	2	5
W ORLEANS -	254,000 {		18		136 107	27.9 21.8	-	-	2-	1	-Î	3 2	7 8

Including deaths from croup.
 Including 1 death from cholera in Bombay, and 33 in Mad ras.
 Including 8 deaths from malarial fever.

TABLE 9.-METEOROLOGICAL OBSERVATIONS taken at the ROTAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 29TH NOVEMBER, 1890. [Under the Superintendence of the Astronomer Royal,]

Observations are usually taken at 91. A.M.; noon; Sh. P.M.; and 91. P.M. The means of the eye-readings of the barometer, the dry builb thermometer, and the wet builb thermometer, are The results of all the meteorological observations are to be understood as applying to the The height of the cistern of the barometer is 159 feet above the mean level of the sea; no The average temperature of the air is that derived from a discussion of the photographic The record of Electricity is derived from Thomson's self-registering Electromater. The symbols employed are :—P. positive; N. negative; w. weak; m. moderate; s. stoong; and The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show during the twenty years ending 1868 for the thermometers. With the corrected mean reading (column 8). The mean daily dew point temperature and degree of humidity are deduced bulb thermometers by Glaisher's Hygro-The thermometers in the water of the Thames are suspended at a depth of two feet below converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and of the dry bulb thermometer is combined the corrected mean of the readings of the maximum records made at Greenwich during the 20 years ending 1868, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875. the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," their readings are registered by the Clerk of the Market, under instructions from in a Gauge whose Sum 0:18 in. 00.0 0.T2 0.01 26 and minimum thermometers, forming the mean daily value of temperature of of 16 Years. Wiles. +264 Average + 25 +105 +439-156 -145 Sum +587 Robinson's. Movement of the Air Horizontal Snm 2668 4.9 Wind as deduced from Anemometers. correction has been applied to the readings to reduce to sea level lbs. 0.5 \$.0 Pressure on the Square Foot. the aggregate duration of bright sunshine on each day. Jeast, 0.0 0.0 0.0 0.0 22 mean daily values of the dry and wet lbs. 7.0 est. 21 NNE. & NE. livil day, or from midnight to midnight. NE. & NNE. NE. & NNE. WNW. & N.SE. & ESE, ESE, & NE WSW. NNE. General Direction. 20 ariable. ... "lower," than the average. N. & NNE. WSW. & N. WSW. & W WSW. &! N. & NNE. (NE. A.M. 19 Corporation of London. Of the Water of the Thames at Deptford, metrical Tables. P. 27 7.07 7.75 LOW. est. 18 v. variable. TEMPERATURE. 9.87 0.60 High. 48.4 0.97 est. Lowest on the 0.08 23.0 20.5 18.1 Of Radiation. 26.1 ot Showery in morning; a violent squall of wind at 3h. A.M.; cloudy till evening; cloudless at night. Cloudless with hear frest in morning; cloudy with occasional slight rain till evening; variable at night. Fine with hoar frost in morning; partially cloudy afterwards; a little snow in morning and at night. High-est in Sun's Rays. 8.95 37.5 50.50 1.57 Overcast generally; frequent snow. The me Degree of Hu-midity (Satu-ration equals Overcast till night; then partially cloudy. with 06 79 14 86 67 50 85 GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature. afternoon, 0.0 6.0 Least. till afternoo temperature of this day war. November 23 (see column 8). Great-9.4 14.5 15.3 8 est. 12 Mean daily Generally overcast light snow; variable 6.7 Mean daily value. Of the Dew Point. 38.5 25.0 29.3 50.6 38.1 1.77 7.91 10 Overcast. De-parture from -12.5 9.9 6. **FEMPERATURE** Registered Sun above. Sunshine, Horizon, in hours, in hours, Mean daily 36.5 29.7 42.1 26.5 21.8 28.8 34.3 90 8.5 Of the Air. Daily 9.8 6.01 mng 0.0 0.0 35.3 31.0 Low-0.93 8.13 18.3 9.03 6.83 est. 8 High-55.3 41.3 55.5 6.97 33.5 8.68 10 0 w. P. in morning; till P. in morning; morning; m. P. generally the till evening; s. P. a (For explanation of symbols, see Note.) Mean daily reading ELECTRICITY. 280.62 w. P. in mon 29.841 176.67 718.62 P. generally W. P. generally The of the W. P. 9 W. W. B 24 NOVEMBER. HONTE AND No. of Col. 1890. NOVEMBER. EDNESDAY DATE. DAY. MEANS BATURDAY THURS. TUESDAT TUBB. WED, Mow. NUNDAY FRIDAT SAT. SUM. FRI.

ling of the barometer decreased from 29.60 in. at the beginning of the week to 29.40 in.

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 49. 1890. Vol. LI.] WEEK ENDING SATURDAY, DECEMBER 6. [Price 1 d.

General Register Office, Somerset House, 8th December, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in Twenty-eight Great Towns of England and Wales corresponded to an annual rate of 21.5 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

_	Weeks	ending	g		Weeks ending				
Towns.	Nov. Nov. 15. 22.	Nov. 29.	Dec.	Towns.		Nov. 15.	Nov. 22.	Nov. 29.	Dec.
Birkenhead	21.3 17.4	18.4	26.8	Liverpool -		21.8	21.1	18.7	24.7
Birmingham	19.4 18.3	18.4	21.0	London -			20.2		
Blackburn -	18.1 27.9			Manchester			33.4		
Bolton -	26.1 25.7			Newcastle-on-T	yne	25.9	21.4	21.8	24.3
	21.9 18.0			Norwich -	-	20.8	21.3	17.0	23.5
Brighton -	16.9 15.2				-	15.3	19.6	16.6	16.2
Bristol -	18.6 19.5			Oldham -	•	30.6	27.4	22.4	25.6
Cardiff -	20.9 25.0			Plymouth -	-	22.5	18.5	24.5	20.5
Derby -	15.0 15.5			Portsmouth	-		24.4		
	21.6 30.5			Preston -	-		17.4		
Huddersfield	17.1 18.3			Salford -	-		24.9		
	18.5 18.5			Sheffield -			$25 \cdot 1$		
	22.9 23.4			Sunderland			24-1		
Leicester -	20.9 15.9	19.9	19.9	Wolverhampton	•	19.4	20.0	20.6	18.8

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.8 in Bristol, 2.6 in Manchester, 2.7 in Bolton, 2.8 in Oldham, and 3.5 in Preston and in Birkenhead; from searlet fever, 1.1 in Sunderland, 1.3 in Blackburn, and 1.4 in Liverpool; and from whooping-cough, 1.5 in Preston and in Sunderland, and 2.2 in Norwich. The rate from "fever" did not reach 1.0 per 1000 in any of the twenty-eight towns. The 63 deaths from diphtheria included 41 in London, 6 in Manchester, 5 in Salford, 3 in Portsmouth, 2 in Liverpool, and 2 in Birmingham. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2240 births and 1733 deaths were registered. Allowing for increase of population, the births were 431, and the deaths 2, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20.2 and 18.0 in the preceding two weeks, rose last week to 20.4. During the past ten weeks of the current quarter

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 64310,-10. 635.-12/90. Wt.

the death-rate averaged 19.5 per 1000, exceeding by 0.1 per 1000 the mean rate

in the corresponding periods of the ten years 1880-89.

The 1733 deaths included 91 from measles, 23 from scarlet fever, 41 from diphtheria, 28 from whooping-cough, one from typhus, 16 from enteric fever, 4 from diarrhea and dysentery, and not one from small-pox, ill-defined forms of continued fever, or cholera; thus, 204 deaths were referred to these diseases,

being 18 below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 9; no case of this disease was under treatment on Saturday last in the Metropelitan Asylum The deaths from measles, Hospitals or in the Highgate Small-pox Hospital. which had been 76 in each of the preceding two weeks, increased last week to 91, and exceeded the corrected average by 26. The fatal cases of scarlet fever, which had been 26 and 27 in the preceding two weeks, declined last week to 23, and were 16 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1913 scarlet-fever patients at the end of last week, the numbers on the preceding four Saturdays having decreased from 2122 to 2000; 151 cases were admitted during the week, against 205 and 139 in the preceding The 41 deaths from diphtheria, though fewer than the number in the previous week, were 14 in excess of the corrected average. The deaths from whooping-cough, which had been 33 and 15 in the preceding two weeks, increased again last week to 28, but were 16 below the corrected average. The 4 deaths from diarrhee and dysentery were fewer than the number in any week since the beginning of February, and were but one-fourth of the corrected average.

The deaths referred to enteric fever, which had been 23 and 12 in the preceding two weeks, numbered 16 last week, and were 4 below the corrected average. The Metropolitan Asylum Hospitals contained 176 cases of enteric fever, and one of typhus, on Saturday last; 16 cases of enteric fever were admitted during the week, against 18 in each of the preceding two weeks.

One death was primarily attributed to influenza, against 6, 3, and 2 in the

preceding three weeks.

The deaths from diseases of the respiratory organs, which had been 459 and 375 in the preceding two weeks, increased again last week to 444, being only one below the corrected average.

The widow of a thatcher, whose death from "old age" occurred in Kentish

Town, was stated to be 104 years of age.

Different forms of violence caused 55 deaths, concerning all but one of which inquests were held. Of these 55 deaths, 4 were cases of suicide, and one of murder, while the remaining 50 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 6 by burns or scalds, one by poison, 5 by drowning, and 15 (including 14 of infants aged under one year) by suffocation.

GREATER LONDON.

In Greater London 3014 births and 2226 deaths were registered, corresponding to annual rates of 27.3 and 20.2 per 1000 of the estimated population. In the Outer Ring 42 deaths were referred to measles, 11 to diphtheria, 10 to whooping-cough, and 5 to "fever." The deaths from measles included 25 in West Ham sub-district. Three deaths from diphtheria were recorded in Bromley, 2 in Sunbury, and 2 in Leyton sub-districts.

Professor Frankland's report upon the quality of the water supplied by the various Companies to the Metropolitan area during November will be found on pages 505-506.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.76 ins.; the highest reading was 30.22 ins. on Sunday morning, and the lowest 29.51 ins. on Thursday at noon. The mean temperature of the air was 35°.3, and 6°.7 below the average in the corresponding weeks of the 20 years ending 1868. The mean was below the average on every day of the week, the deficiency on the first three days ranging from 8° to 10°. direction of the wind was variable, and the horizontal movement of the air averaged 9.0 miles per hour, which was 3.6 miles below the average in the corresponding weeks of 16 years. Rain was measured on Thursday to the amount of 0.09 of an inch. The duration of registered bright sunshine in the week was 2.8 hours, against 4.1 hours at Glynde Place, Lewes.

THE REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES who have furnished him with the average daily quantity of Water supplied during the month of November 1890; according to their returns 171,127,721 gallons or 777,512 cubic metres of water (equal to about as many tuns by measure, tons by weight,) were supplied daily; or 223 gallons (101.3 decalitres), being rather less than a ton by weight, to each house, and (assuming 7.8 persons to each house) 28.5 gallons (12.9 decalitres) to each person, against 27.9 gallons in November 1889.

COMPANIES.			Houses, &c.	Average daily S in Ga	upply of Water
0022		November. 1889.	November. 1890.	November. 1889.	NOVEMBER. 1890.
TOTAL SUPPLY		757,705	768,586	164,599,821	171,127,721
From Thames From Lea and from other Sources		365,150 392,555	370,607 397,979	83,644,525 80,955,296	86,704,054 84,423,667
THAMES. Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	• •	35,149 72,430 111,687 55,802 90,082	35,684 73,794 112,731 56,512 91,886	9,193,283 14,994,047 23,825,321 17,257,274 18,374,600	9,580,971 15,994,825 25,214,602 17,524,188 18,389,468
LEA AND OTHER SOURCES. New River East London Kent		153,050 166,491 73,014	153,876 169,414 74,689	30,078,000 39,408,017 11,469,279	31,563,500 40,797,802 12,062,365

Note.—The Return for November 1890, as compared with that for the corresponding month of 1889, shows an increase of 10,881 houses, and of 6,527,900 gallons of water supplied daily.

Analysis of Metropolitan Water Supply during November.

Water-analysis Laboratory, The Yews, Reigate, 5th December, 1890.

SIR, I HAVE to report to you in the following Table the results of the chemical analyses of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of November.

I append, also, the results obtained in the analyses of the waters supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill of Birmingham

and Dr. Mills of Glasgow.

Taking the average amount of organic impurity contained in a given volume of the Kent Company's water during the nine years ending December 1876 as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies and by the Tottenham Local Board of Health, was:—Kent 0.7, Tottenham 0.8, New River 1.5, Colne Valley 1.8, East London 2.3, Chelsea and Grand Junction 2.7, West Middlesex 2.9, Southwark and Lembath 2.1 Southwark and Lambeth 3.1.

The water abstracted from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies had suffered marked deterioration since last month. It contained on the average 72.6 per cent. more organic matter, due, no doubt, chiefly to access of decaying vegetation. It was in every case, however, efficiently filtered before delivery.

Of the water obtained chiefly from the River Lea, that delivered by the New River Company,

though, organically, less pure than in October, was of much better quality than any of the other river waters, and compared favourably with the deep well waters. The East London Company's water was also superior to the Thames derived waters. Both waters were efficiently filtered.

The deep-well waters of the Kent and Colne Valley Companies and of the Tottenham Local Board of Health were, as usual, of excellent quality for dietetic use. These waters were clear

and bright without filtration. The Colne Valley Company's supply was softened before delivery, and thus rendered suitable for washing.

Seen through a stratum two feet deep, the Kent and Tottenham waters were clear and colourless, the New River and Colne Valley clear and nearly colourless, and the remaining waters clear

and very pale yellow.

3 a 2

Dr. Hill, F.I.C., the Medical Officer of Health for Birmingham, reports that the water supplied to that city was "clear, and the organic elements were much less this month than last."

Dr. Mills, F.R.S. of the Glasgow and West of Scotland Technical College, reports that the water

supplied to that city from Loch Katrine was "light brown in colour and contained a little " suspended matter."

The Registrar General, &c. &c.

I am, &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

0	COMPANIES R LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Ni- trates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.	Cab Rank, Horse Guards, Whitehall.	10.0	26.96	•139	.018	0	·188	*206	1.9	19.4
L	West Middlesex -	{ November 24th, Cab Rank, Portland-road.}	11.0	28.08	129	*041	0	•217	*258	1.9	20.0
	Southwark -	November 24th, Cab Rank, Bricklayers Arms, Old Kent-road.	10.6	28.82	•160	•020	0	*188	*208	1.9	21.5
Inner Circle.	Grand Junction -	November 24th, Cab Rank, Uxbridge-road, near Marble Arch.	10.5	29.20	•131	.030	0	•219	•249	1.9	20.9
Inne	Lambeth • -	\{ \begin{aligned} November 24th, \\ \text{Cab Rank, St. George's-} \\ \text{road, Southwark.} \end{aligned} \}	9.9	28.84	•159	•026	0	•230	*256	1.9	20.6
	LEA. New River	November 24th, Cab Rank, Tottenham Court-road.	10.4	30.64	*067	*022	.0	*205	• 227	1.7	22.4
	East London .	November 24th, Fire Brigade Station, Commercial-road, E.	10.3	32.66	117	.017	0	240	257	1.9	23.3
١	DEEP WELLS.	November 24th, Mill Lane, Deptford.	12.0	40.72	*038	1005	0	.472	•477	2.3	28.7
Circle.	Colne Valley • •	{ November 27th, Bushey. }	-	17.28	*086	•018	•028	*437	•478	2.0	7.4
Onter	Tottenham	November 25th, Tottenham.		40.62	.031	*016	*050	- 0	*057	2.9	23.0
C	orporation of Birming- ham*	November 4th, 2, court, Stainforth-street.	10.0	27.54	148	.013	*001	*286	*300	2.1	19.8
C	Corporation of Glasgowt-	{ November 17th, Loch Katrine Water. }	7.8	2.7	155	.025	0	.003	*028	•70	•63
	Column 1.	2	8.	4.	5.	6.	7.	8.	9.	10.	11.

* Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City. † Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the water. The Table is be to read thus:—the Chelsea Company's water, collected on the 24th November, at the Horse Guards cab-rank, had a temperature of 10° 0 C.; 100,000 lbs. of it contained 26 96 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained 20 90 lbs. of carbon and '018 lb. of nitrogen. The above quantity of water also contained no ammonia, and '188 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was' '206 lb. The above weight of water also contained 1.9 lbs. of chlorine; and 19.4 lbs. of carbonate of lime, or an equivalent quantity of other hardening or

soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

						-		T .		,				,					-				_	_		_	-				-	
	CITIES	AND BOROUGHS,	Cols.	- 28 TOWES.	LONDON.	BRIGHTON.	NORWICH.	PLYMOUTH.	WOLVERHAMPTOW	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	KOLTON.	MANCHESTER.	OTDHAM.	BLACKBURK.	PRESTON.	HUDDERSFIRED.	HALIFAA	BRADRORD.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	CARDIRP.	EDINBURGH.	DUBLIN.		il 1891.
ATT		In Centi- metres.	24.	1.04	0.53	0.03	3 1	4.88	0.53	1	1	0.28	1	1	1.05		•		8	1	1		0.23	1 1	0.01	1	1.70	1	4.09	3.51		ns unt
RAINFALL		In Inches.	28.	0.41	60.0	90.0	1	1.90	0.38		1	0.11	1	1	0.40	3				1	•		0.51	3 1	0.36	1	29.0	1	19.1	27.1	20 .	Return
AIR.	an.	Centigrade.	22.	2.72	1.83	2.00	1 1	3.72	1.66.1	1	1	2.17	1		200	1	1	8 1		1	ı	3	4.67	1 1	11.6		3.83	1	5.56	6.83	90	Veckly
OF THE	Mean	Eshrenheit.	21.	36.9	35.3	35.6	1 00	88.7	34.2			85.9	1		6.88	1	1			1	ı		40.4	1 1	000	1	38.0	•	42.0	42.7	2.5	a the
TEMPERATURE OF THE AIR.	.3	Their Lowes	20.	0.41	0.22	27.7	1 1	28.2	0.23		ı	24.6	1	1	31.4	1	1	8	1 1	1	1	2	8.83	3	17.0	1	28.0	1	32.0	83.6		ount in
TEMPE	.36	F Higher	19.	25.8	43.1	42.0	0 1	46.0	45.0	,	1	43.9	ı	1	47.5	ı			1, 1	1	8		25.8	t	46.0	1	46.0	1	52.0	53.9	0 70	ope car
	he beaths	From Diseases in Cols. 6-12.	18.	25.	-	20 60			6.1	1.1	1.0	4.0	0.0	0.0	0.0	9.0	4.7	0.7	2.1	50.00	1.1	63			0 .0	7.8	0.1	1.8	6.1	00 %	0 1	The recent extension of this borough will not be taken into account in the Weekly Beturns until 1891.
Annual per 10	Week's Deaths	From All Causes.	17.	21.2	20.4	16.0	23.5	20.2	18.8	0.16	6.61	16.5	17.1	26.8		27.9	28.5	5.77 9K·R	20.3	36.5	0.13	6.63	1.91	21.6	1.07	7.96	9.4.3	22.3	18.3	23.4	_	ot be t
	disth.	Uncertification of Designation of De	16.	82	15	10 0	3 H	1	- 1	7	1 67	63	1	ಣ	16	-	7	4 0	21 1	-	1	က	67	П	D 0	0 -	1 6	1 11	88	27	20	will r
		Deaths in Public Institution	16.	714	408	භ ර	9 00	61	13	1 2	00	20	6	10	41	10	33	23 1	7	10	4	4 7	10	14	OT 1	3 6 5	7 00	, o	17	45	200	rough
2.	1	Inquest Case	14.	290	121		1 10	93	70 4	P 1	9	49	10	4	22	4	18	L 6	7 0	9 03	1.	7	ಣ	19	9 6	23 0	0 6	6	مه	ar I	-	od sir
nde	-	Vlolence.	13.	142	55		-	-	,-I G	3 5	T	60 1	67	67	18	00	10	4	3.3 G	7 -	1	1	-	20	30 C	24 4	# 4	4	.10	9	9	n of th
k inel		.860 draid	12.	26	4	Н с	d 1	1	1 1	G	1 1	1	1	1	-	63	63	H :	· -		1	1	63	H	۲,	-	1	1 1	67	4	n	tensic
Wee		Ferer.	11.	49	17	1 -	- 1	-	c1 1	-	- 1	-	1	H	10	1	10	-	27 1	1	1	_	Н	00	4 .	٠,	7	1 -1	20	61 .	49	ent ex
d in th	from	congp.	10.	69	28	1 -	- 	1	-	1 0	0 1	1	1	-	9	1	1	67	1	1 00	67	Н	Н	63	20	1 -	4	1 1	H	6	4	e rece
gistere	Deaths from	Diphtheria.	9.	63	41	1 0	n -	1	1	1 0	24	1 1	1	1	2	1	9	10	1	1 1	ı	1	1	1	1	1		- 1	63	63	1	+ Th
The DEATHS registered in the Week include	De	Searlet Fever.	oo	64	23	-	1 1	1	et e	-	1 -	- 1	1	г	17	1	Н	00	1 0	n 1	1	4	П	00	4	1 :	n 1	- 1	1	41	1	
DEA		Messles.	7.	202	1.6	41	1 00	-	00 0	23 0	23 0	9 11	1	1	4	9	19	00	00	1 1	. 1	c1	7	9	10	1	1 7	1 82	1	9	1	The last of the la
Th		Small-pox.	6.	1	1	1	1	1	1	1		1 1		1	1	1	1	1	1	1	1	1	1	1	1	1	i	1 1		1	ı	
	s of	Persons aged 60 Years and upwards.	20	930	453	7	12 4	12	26	p (49	2 4		6	22	10	8.4	14	10	10	12	10	14	34	53	14	21	91.	22	54	63	
	Deaths	Infants under To rest of Age.	4.	188	362	00	77	75	22	n :	40	19	4	18	59	14	41	29	17	10 5	8 8	10	16	29	34	10	03	17	18	41	32	Retur
uring	ding		3.	3999	1733	82	43. 4	31	94	00.	136	92	000	54	291	62	205	106	27.5	24 T	0 00	47	11	151	151	52	69	20	96	238	201	of this
Registered during	the Week ending	BIRTHS, DE	2.	5098	2240	45	EC 50	35	901	00	210	104	49	27	335	51	242	146	68	65	43	39	98	237	203	134	on :	7.8	131	098	139	first page
-	POPULATION t		T.	9,715,559	4.421.661	123,659	142,952	78.780	232,248	83,406	461,865	154,344	100.871	105,049	618,463	115,846	379,437	242,509	146,716	128,558	94,253	82,034	240,515	863,799	332,837	213,833	136,506	117,012	271,135	E30,208	253,082	* See note on first page of this Return.
	CITIES	z.	Cols.	28 TOWNS	T.ONDOM	BRIGHTON -	PORTSMOUTH		BRISTOL .	WOLVEBHAMPTON	BIRMINGHAM .	LEICESTER "	TOPER	100	LIVERPOOL .	BOLTON .	MANCHESTER!	SALFORD .	OLDHAM	PRESTON .	HUDDERSFIELD.	HALIFAX	BRADFORD	LEEDS	SHEFFIELD .	HULL .	NTWOMERTA	CARDIER	EDINBURGH -	. A	DUBLIN .	

Table 2. LONDON.—Births and Deaths Registered in the Forty-ninth Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females	2461	2380	2520	2346	2385	2504	2485	2497	2644	2270	2670·8	2240
	1271	1200	1310	1237	1232	1257	1270	1237	1367	1139	1365·3	1144
	1190	1180	1210	1109	1153	1247	1215	1260	1277	1131	1305·5	1096
TOTAL Deaths Males Females .	1398	1521	1669	1628	1764	1474	1738	1577	1461	1683	1735·3	1733
	744	734	818	819	817	741	906	781	792	820	874·8	901
	654	737	851	809	947	733	832	796	669	863	860·5	832

^{*} The numbers in this column are the average weekly numbers in the forty-ninth weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

.l AB	LE 3. LUNDON.—I	7120171	, 1011	,			OHODO	701 11	. 0110	23050	THIR	LEEN	MEE	70.
		Sept.	Sept.	Sept. 27.	Oct.	Oct. 11.	Oct. 18.	Oct. 25.	Nov.	Nov. 8.	Nov. 15.	Nov. 22.	Nov. 29.	Dec.
TOTAL	L Births	2539	2355	2458	2433	2409	2412	2512	2295	2173	2321	2206	1980	2240
TOTAL	Deaths	1410	1375	1458	1413	1472	1741	1649	1817	1734	1709	1716	1527	1733
Ages a Death	7 20-00 99	687 183 238 256 46	667 200 214 232 62	740 182 236 256 44	726 170 223 253 41	747 180 240 251 51	870 204 316 281 70	835 200 264 296 51	827 206 335 372 76	785 222 331 318 78	758 239 296 343 73	789 226 283 350 68	662 207 277 300 81	758 205 317 372 81
.99.	{Under 1 year - 1-5 - 5-20	395 217 75	376 227 64	429 207 104	433 193 100	436 213 98	491 260 119	429 306 100	413 303 111	393 283 109	392 257 109	369 308 112	296 265 100	362 296 100
Deaths	from Small-pox , Measles , Scarlet fever , Diphtheria , Whooping-cough , Typhus , Enteric fever , SimpleContafever , Diarrhea and Dysentery , Cholera	39 18 18 35 1 18 -	33 14 35 38 - 21 - 94 3	1 22 16 38 29 - 18 2 86 6	30 20 28 18 - 24 1 105 3	38 20 38 59 - 24 1 94	59 20 41 30 - 21 2 75	70 29 23 28 - 15 1	95 16 26 19 - 26 -	74 23 50 20 - 29 -	-63 15 29 25 1 24 -	76 26 37 33 - 23 -	76 27 48 15 - 12 2 16	91 23 41 28 1 16
"	", all the above- mentioned Diseases	251	238	218	229	246	250	221	225	222	177	206	196	201
23 23 23	,, Dis. of Respira- tory System } ,, Phthisis - ,, Dis. of Circula- tory System }	210 136 114	187 157 136	222 130 104	262 123 100	197 147 123	340 204 144	417 139 151	450 189 156	465 153 141	465 174 139	459 184 134	375 151 130	444 189 167
Inquest Deaths	Deaths Cases in Public Institutions	55 109 860	43 83 360	52 103 377	61 107 335	49 113 346	52 123 397	50 114 382	57 119 395	65 148 432	55 131 410	56 109 426	64 127 404	55 121 408
Mean Mean Mean	of Highest readings - of Lowest readings -	59·4 73·2 48·2	60·4 71·7 51·0	58.8 69.2 50.9	56·7 66·3 49·3	54·3 64·1 45·5	47·7 56·5 39·8	48·2 54·4 43·2	43.6 50.4 36.3	45·2 51·7 39·0	44·5 52·4 37·3	50.0 54.0 45.1	34·3 39·8 28·9	35·3 39·0 30·4
_	ty of the Air	79 0·00	74 0·34	83 0·31	76 00·0	82 0·33	82 0:20	83	85	82	88	90 0·19	82 0·18	87 0·09
Register	red Sunshine (in hours)	48.6	50.7	24.9	36.9	36.5	16.0	8.8	1	16.4	16.2	3.1	0.8	2.8
									_	-	_			

METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., Ll.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq., and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., F.R.Met. 10, Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of Ages from different Causes in the Forty-ninth Week of the Year 1890.

		0			OI.		VII.	111	** 60	CIL	of the Year 1890.									
	for the 10 years	-	Satu	rday,	6th	Dec	mbe	er 18	90.	-		for the	9		day,	Gth]	eek	nber	189.)	
	the 9. *	-			the .					-1) · · · · · · · · · · · · · · · · · · ·	iges)eath	the.	Perso Ages	ons o	f	
USES OF DEATH.	Corrected Averages 49th Weeks of the 1880-89.	ALL AGES.	0-1.	Und 20.		20 and under 40.	and under	מונים	80 Years and	upwards.	CAUSES OF DEATH.	Corrected Averages 49th Weeks of the 1880-89,**	ALL AGES.	0-1.	Und 20.	2-20.	and under 40.	and under 60.	and under 80.	unwards.
L CAUSES	1785*3	1	1	1	T	T	7	1	2 81		Diseases of Organs of Special Sense +}	2.5	2	-	1-1	1 10	1 2	40	90	135
Vaccinated;	2.9	-	-	-	-	-			-				-	-	-	-	-	-	_	_
OX Unvaccinated	3.6	-	-	-	-	-					Diseases of Circulatory } System }	133.2	167	3	-	11	25	48	70	10
anles	65.3	91	15	72	4	-	-	٠ ٠		Ш	Croup	16.1	16	1 .	12	-		-	-	_
phus	88.9	23	2	12	9	-	1 -	100		ш	Bronchitts	276'4 107'7	257 144	66 32	36 43	1 4 6	7	30	94	20
apsing Fever †	0.0		-	-	-	-	-			II	Pleurisy - Other Diseases of Respi-)	5'9 38'4	23	3	2	-	-	-	22	1 -
iuenza	0·1 43·6	28	7	19	2		1	4	1 -	H	ratory System}	00 1	40	13	5	2	8	5	5	-
ooping-cough	27.0	41	7	25	8	1	-	-			Dentition †	10°3	8	4	4	-	-	-	-	
nple Continued and }	1.6	-	-	-	-	-	-	-		Ш	Quinsy, Sore Throat † - Enteritis - Peritonitis -	2.8 7.8 9.6	2	ĩ	2	1	-	1	-	-
teric Fever	20.0	16	1	-	5	10	-	-		П	Diseases of Liver -	34'6	12 18	-	1	5 -	4	9	2	2
plers and Chol. Diarr.	0'4 15'9	4		1		1	-	-	-	H	Digestive System -}	28.9	24	7	2	1	5	5	4	
rrhea, Dysentery - nittent Fevert	0.0	I-I	-		-	-	-	1-	2	II	Diseases of Lymphatic)				_	-			-	
trophobia	0.0		-			-	-	-		H	System & of Duetless Glands †	2.2	2	-	1	-		1	-	L
pox and Effects of)	0.1		-			-	-	-	-	H		-		-	-	_				
ereal Affections	10.4	7	5			-	-	-		H	Diseases of Urinary }	40.9	36		2	3	4	11	12	4
sipelas	9.9	6	1	_	_	1	1 5	-	-	lŀ			-		-			-	-	_
mia and Septicemia †	3.1	3	1	-	-	2	-	-		H	Diseases of Generative }	6.3	7		-	-	3	2	2	
rperal Fever r Zymotic Diseases †	3.0	4	-	1	-	3	1	-	-		Aceidents of Childbirth -	3.8	2		_	_	1	1	-	-
a Discusco (-	-	_	_	-	-	-	11	Diseases of Locomotive	940	6		-					
ash	2 4	1	1	-	-	-	~	-	-	II.	System +}	8.6		_		3	1	1	1	- 1
rms and other Para-}	0.4	1		-	-	1		-	-	Ш	Diseases of Integumen-	5°7	7	2	1	1	,			
vation, Want of								-		I	tary System}			-	_		1	_	_	2
reast-milk + 5	1'3	1	1	-	-	*	-	-		П	VIOLENT DEATHS.									
holism	4.3	7	_	-	_	2	4	1		П	(Accident.)					i				
umatic Fever.	8:3	11	-	1	4	2	2	2			Fracture and Contusion	18'3	23	1	_		8	9	4	1
umatism of Heart†}	2.7	3	_		2	2	1	2			Gunshot Wound Cut, Stab	0.5	-	-	-	-	-	-	-	-
	41	3	-	-	-	-	1	2	-		Burn and Scald - Poison	1.6 1.6	6	-	5	1 1 1	-	-	-	7
ser	3°5 54°3	6 63	3	3	-	-	-	-	-		Suffocation Otherwise	1.9 1.9	5 15	14	=	1	2	2	ī	-
38 Mesenterica -	20.5	_	11	9	1	5	27	28	2	-						-		-	-	
ercular Meningitis -	24'2	19	9	8	2	-	-	-	-	1	(HOMICIDE.)									
	169'8	199	6	6	9	80	74	17		1	Murder & Manslaughter	2'1	1	-	-	-	1	-	-	-
r Constitutional }	9.5	9	1	Es .	-	4	3	1		1	(Surers)					-		-	-	-
seases †5							_	-	_	1	Gunshot Wound	0.4	2	-	-	1	-	1		_
nature Birth	39.6	_	44	1	-	-	-	-	-	1	Cut, Stab	1'4	ī	-	-	-	ī	=	-	-
cotacis † 	3.8	1	1	-	-	~	-	-	-	1	Hanging	1.1	-	-	-	-	-	-	-	-
ns 5	7.6	7	7	-	-	-	-	-	-	-	OTHER THE	0'4	1	-	-	-	- 1	1	-	-
Age	54.5	60	-	-	-	-	-	29	31	1	(EXECUTION.)		i		1	-	-	1		1
plexy	50.7	50	1	-	1	8	11	31	3	1	Hanging	0.1	-	-	-	-	-	-	-	. 1
epsy	6.5	7 43	39	6	1	2	2	2		1-			-			-	- -	- -		-1
r Diseases of Brain }	85°6	88	9	9	7	7	20	83	3		OTHER CAUSES †	59.6	55	49	1	-	1	-	4	-
		1	- !	-	1					1				1	J					-
The numbers in this col	lumn are	the ar	rerag	e we	ekly	Des	ths:	for t	he ter	цу	ears 1880-89, raised by 9°046	ner cent	for in	eres	se of	nani	Ilotio			

the numbers in this column are the average weekly Deaths for the ten years 1880-88, raised by 9.046 per cent. for increase of population.

The ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

The ten years average could not be correctly ascertained, the average for the eight years 1832-9 has been used.

The ten years average could not be correctly ascertained, for as "unvaccinated," which are so certified by registered medical men. When necess is returned under the heading "no statement."

The ten years average could not be considered as the correctly whather a violent death is not certified by a registered are released at inquests is often insudiated to enable the Coronar to certify whather a violent death be the result of accident, murder, language, all such cases are classed under "accident or negligence."

TABLE 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Scare during the Wesk end

		1					Th	o Dr		raciat	ared		durii	-			<
				Dasi	hs of	i		0 10 62			the fr		-			1	
REGISTRATION	rated Fopu-	H.G.	ПР.	-	aged 60 a	-		er.	1		-	(or Fever.	110		1	8	Public
SUB-DISTRICTS.	1stion, 1881.	BIRTE	DEATH	s under of Age.	s age	-pox-	28	Fev	eria.	Whooping-cough	13.	ic (or oid) F	e con-	h088.	10e.	t Cases	in
		Total	Total	Antanta Year	Persons Years	Small-pox	Measles	Scarlet	Diphtheria	Whool	Typhus	Enteric (o	cimple tinued	Diarrhos	Violence	Inquest	Deaths
LONDON	3,815,704	2240	1733	362	453		91	23	41	28	1	16	_	4	55	121	408
WEST DISTRICTS	905,947	839 498	284 412	53 88	72 109	1 - 5	10	1.	10	9-	-	4	1	1	15	25	98
NORTH DISTRICTS	282,288	147	111	24	28	-2	-	2	1	8	0	1	1.	-	5.	11	88
EAST DISTRICTS -	692,738 1,265,148	427 829	348 556	74 124	85 153	_	83 41	1 4	6 10	2 9	1	3	-	2	15 14	34 22	90
SOUTH DISTRICTS - METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRA- TION LONDON -		-	22	-	11	-	-	1	-	-	-	-		-	1	1	22
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M. St. John Paddington H - G.J.	69839 87830	46	23 16	7 2	6 5	=	1	-	8 -	1	-	2	-	-	-	2	3 4
Kensington Town Ww W.M.	120141	51 17	47 20	9 2	15 6	-	-	-	ī	ī	-	-	-	-	-	8	15 6
Brompton H W.M.	7599	7 89	3	1		-	4	-	2	- 2	-	-	-	-	3	3	4
St. Paul Hammersmith H W.M. & C. Fulham Ww W.M. & C	643±0 42900	59 9	33	7 4	10	-	î	1	2 -	1	-	2		7	1 -	4	13
Chelsea Kensal Town - C. Chelsea North WHHHHHH - C. Chelsea South HHH - C.	15049 42683 30396	16 12	18 12	1 5	1 3 1	-	-	-	2	-	-	-	1	-	1	1 1 1	9 5
May Fair W G.J.	80353 59220	31 13	17 19 12	3 3 4	6 5 2	-	-	-	H	1 1 1		5.1.1		-		1 2	10
St. John Westminster Han - C.	35496 24679	4	9	1	3	-	-	-	-		-	-	-	-	H	-	3
St. James Westminster WHH N.R. &G.J. St. Anne Soho HHHHHHH - N.R.	29941 14698	11	6 4	2	1	-	, -	-	-	-	-	-	-	-		-	- 13
NORTH DISTRICTS. All Souls Marylebone HHHHH W.M.	23759 143#1	18	13	3	2	-	-	-	2		-	- 1	- 1	-	-1	-	6
All Sonis Marylebone Hithir W.M. Cavendish Square HHHH - W.M. Rectory Marylebone W - G.J. & W.M. St. Mary Marylebone H - G.J. & W.M. Christchurch Marylebone H - W.M. W.M.	24309 21118	11 19	9 2	1 -	3 2	-	-	-	-	1	-	1	-	-		-	3
Christchurch Marylebone H - W.M. St. John Marylebone H - W.M.	83700 83633	16	11	3 2	4	=	-		=	1	-		+,'	-	-	-	-
Hampstead WwHHHH- N.R. & W M.	45452	22 13	22 15	4	4		1	8	2	1			-	1	2	3	10
Regent's Park Paneras H - W.M. Tottenham-court wHHIIH N.R.&W.M. Gray's Inn Lane HHH - N.R. N.R.	39115 27729 30247	8 12	19	3	3	-	-	-	-		-	1		-	1	2 2	11
Somers Town HII N.R. Camden Town WH N.R.	34369 17311	19	13 12	2 2	5	-	-	-	-	1 -	-	1:			ī.	- 2	2 4
Kentish Town W N.R. Upper Holloway WWwHH N.R.	87437 67946	56 58	43	8	16 15		3	-	2	2 2	-	1	-:	-	3	3 .	9
Islington South-west H - N.R. Islington South-east - N.R.	100976 61895	50 84	83 27	8	9 9	-	1 -	2	2	ī	1-	1	-	-		1 2	1 -
Highbury H N.R. Stoke Newington H N.R.	\$2043 22781	33 6	17	5	6		-	1	-	-	-		-	-,		-	2
Stamford Hill E.L. West Hackney H N.R.	9277 87610	5 22 55	16	4	4	,	4	-	1	-	-	-	-	-	7	1	2 22
Hackney WwwvH - E.L. N.R. South Hackney E.L.	76911 39983	22	65 20	15 4	9	-	1	8 -	6 -	=,	21	1	-	-	.1	1	-
CENTEAL DISTRICTS. St. George Bloomsbury - N.R.	16831	12	3	-	1.		-	1 -	-	-		1	_				
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North H N.R.	14864 13837	12	8	2 2	2	-	1. 2 .	ī	-	-		1 =	-	-		-	3 2
St. Martin-in-the-Fields HH N R. & C.	17508 7515	5	4	1 -	2	-	-	-	-	-	-	-	-	_		ī	3 2
Strand Union Workhouse, Edmonton w.	8559	2 -	8 2	-	2 2	-	-	-	-	-	-	-	-	1 1	1	î	2
St. Geothe-Martyr HHHHHHH N.R. St. Andrew Eastern W - N.R.	18371 10708	11 3	13	2 -	2 -	-	-	-	1	. 1	-	-	-	-	1 -	3	6
	6533 17516	11	9 6	3 2	1 2	-	-	-	-	2	-	-	-	-	12.	ī	-
Pentonville N.R.	19231 14773 17506	17 8 6	7 3	2 1.	1	1 -	-		-	1.5	-	=	-	-	ĩ	2	-
City NE	11541	6 7 21	3 6	1 4	i	1 -	-	1	-	-	1	=	=	-	1	-	ĩ
William Street N.B.	9217	10	7	2 -	2	-	-	-	-	-	-	-	-	-	-	2 -	-
Holoorn Union Workhouse, Mitcham w.	11174	5	3	1	-	1	-	-	-	-	I	1	-	-	1	-1	-
Cripplegate N.R N.R.	7193 5358	5 -	10	-	1 2	- 1	-	-		-	1	-	-	-	E .	-	5
St. Bride W - N.R. Allballows Barking - N.R.	13666	2 2	2 2	=	1	-	-	-	-	=	-	1 -		-	=	1.	-
Broad Street H N.F.) 0002	L	1									1		1	•	l	1

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—W house; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establish receiving immates from other Districts than that in which it stands. The Roman capitals signify the Water Companies which supply the diff sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelses; S. Southwark and Vauxhall; L. Lambeth; N. R. River; E. L., East London; and K., the Kent Company.

CR, D.PHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district clay, 6th December, 1890.

							The	DEA	THE	rogist	ered i	n the	Wee	k inc	lude			
	Enume rated			Dea	the cf	_				Deati	s from	10.			-	i	i	1
SUB-DISTRICTS,	Population, 1881.	Total Biares.	Total DEATES.	Intanta under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteris (or Pyphoid) Fever.	Simple con-	Diarrhosa,	Violence.	Inquest Cases.	Deaths in Fullic	Uncertified Causes
EAST DISTRICTS, litch South HL^{\oplus} = - N.R. a New Town w N.R. noted Town N.R. ∞ E.L.	22843 39937 28036 46275	7 12 18 18	11 26 3 25	4 8 1 3	19 1 2	1111		-	- 1	1411	1				1111		2 13 - 8	
al Green North H E.L. al Green South E.L. al Green East WHL^* - E.L.	51157 34399 41405	32 14 25	25 19 29	9 4 3	2 7 12	:	2 2 1		1.	-		1	-	-	1 2 1	3 2 1	18	
clds E.L. & N.R. cld New Town	22585 15478 17490 9713 6102	9 19 11 2 4	7 20 2 4	- 3 1	1 8 -		1 2 1	1 6 5 1 1	1	11111	17111	11111	11111	11111	1 4 -	1 5 -	5 12 -	1 1111
orge's, North E.L.	38747 8410	23_ 7	13 7	1	3 4	21	1	-	e Isa	-	-	-	-	-	1	2	5	-
el; H E.L. & N.R. y E.L. ouse E.L.	10895 16107 32041	9 17	20	1 2	1 2 5	-	5	-			-	-	-		1 -	3 2 2	6 -	
and Old Town West H - E.L. and Old Town East $WwwH$ - E.L.	37960 67653 37074	31 51 28	15 27 12	6 7 3	4 4 2	-	4	-	-	-	-	-	-			1 4	3	1
SOUTE DISTRICTS.	64359 55077	48 27	36 33	8	6 3	-	8	1 -	1	-	-	-		ī	1	5	13	-
church Southwark ## L, & 8. coad - 8, & L, ch+road #H - 8, & L, -troad #H - 1, & 8, Newington - 8, & L, er Walworth # - 8, & L, try Newington - L, & 8,	18663 14999 21381 15958 21318 26672 59555 21628	7 10 16 9 11 13 40 16	5 4 10 7 9 25 10	2 - 4 1 4 5 2	3 1 1 2 4 1	1111111	* = - 1 1 1 4		1	1 - 2	11111111	1	1.1111111		1	1 2 1 1	- 2 1	
ve WH 8, & L. or Market 8, & L. ry Magdalen W 8, nes Bermondsey 8, hithe WH 8, & K.	11956 16800 15669 54682 36024	9 6 30 20	14 5 9 16 13	3 2 2 6 1	2 1 8 7 8	11111	1		-	2 -	11111	1	11111	11111	2	2	5 - 1 - 3	
100-road ist H - L, & S. 100-road 2nd H - L, & S. 150 Church 1st H - L, & S. 150 Church 2nd W W - L, & S. 150 Church 2nd W W - S. & L. 150 Church 2nd - S. & L. 150 Church 2nd - L, & S. 150 Church 2nd - L, & S. 150 Church 2nd - L, & S. 150 Church 2nd 2nd 2nd 2nd 2nd 2nd 2nd 2nd 2nd 2nd	15195 16351 19876 39859 45282 35382 62887 19017	10 19 9 29 80 23 30 8	5 16 29 20 10 26 5	2134635	1 8 16 7 4 4 3	11111111	2 1 8			1	11111111	1111111	11111111	11111111	1	211	10 17 3	1 - 1
attersea	54675 52587 36380 28004 13235 25558	51 33 21 27 6 15	22 33 13 16 2 11	3 5 1 7 1 1	2 8 6 2 1 8			111111	1 -	1	1111111	111111	11111	11111	1 2 -	1 1	5 1 - 2	
th - L. & S. rwell WoL*L* - S. & L. tm W - S., L., & K. orge Camberwell - L. & S.	5590 59104 71089 50810	83 48 44	- 47 26 25	3 9	23 6 7		2 54	-	111	1	-	1	1 1 1		ī	1	26	ĩ -
al Deptford w K, holas Deptford K, with West H K, with East WHH K,	76752 7901 31972 24608	63 9 7 17	30 2 7 8	7 1 1 1	3 - 2 3		4 - 2	2	2	1,111	-	1.1.1		1111	1711	1111	3 - 3	1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	\$048 \$1559 19865 26076	8 9 19 18	1 9 14 7	1 4 4 2	2 6 2				1111	1	1171			1			- 4	- 1 - 1
on HH - K. ich Dockyard - K. ich Arsenal HH - K. ead, West H K. lead, East W K.	10930 17617 19044 14009 19241	8 13 7 4 24	3 4 8 4 17	1 2 2 1 2	1 - 1 4	1111	24	11111	11111	11111		11111	11111	11111	1 1	1 1 1		1
al Ships and Camp, Dartford more Hill Hospital		11111	1 - 2 5	11111	2 3	11111	21111	1	11111	11111	11111		11111	11111	11111	1 1 8 1 1	1 - 2 5	11811
lill Asylum	14.6	1 1 1	8 - 1 4 1	1111	3 - 3	1 7 7 0	1 1 1 1	1.1.1	-	1118	1111	1111	1111	1111	-	1 1 1 1	1 4	1111

PABLE 6.—LONDON.—OUTER RING (excluding METROPOLITAN WORKHOUSES, HOSPITALS, and ASYLUMS).

AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 6th December, 1890.

	.	Area							The D	EATHS	regist	ered in	the V	Veek i	nelude			
ogis-		in Acres,	Enume-		-	Deat	ths of	1		,	Death	s from	i i					
District and Sub-listrict Num-bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-sough.	Fever.	Diarrhose.	Violenes.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LON	TOON - OUTER RING	370,924	950,957	774	493	126	104		42	1	11 .	10	.5	3	18	36	30	1
30:1	Carshaiton wL - Epsom (part of) WwH	12228 9971	21118 10710	9	6 8	2 2	2	-	-	tow .	-	-		-	-	-	1	
37:1	Godstone (part of) * -	2754	1285	3	2	-	-	-	-	-	-	-	-	-	-	-	-	1
88:1	Croydon Ww L -	20851	101241	78 14	49	17	15	-	1		1.7		-	-	-	8 -	6	
2 39:1	Mitcham w Wimbledon HHH -	11697 3220	17933 15950	14	8	2	1	<u>.</u>	1			_		1-	_	-	_	١.
2	Kingston WHH	8549	36354	23	19	6	- 5	-	-	-	1	. 1		1-	[-]	1	-	١.
8	Esher (part of) * -	6601 4573	9231 13539	5 9	5	1 2	3	-	-		_	_	-	1	1 -	1	-	
40:1	Hampton H Richmond WH	2272	21302	11	10	3	8	- 44	-		-	1	-	-	1	2	1	
2	Mortlake	2911	12331	6	5	1	1	-	-	-	-	;-		-	2	3	-	
41:1	Bromley(pt.of)*HBHH	15669	81142	14 6	9	1	2	-	-	-	3	-	-	-	-	-	-	
42:1	Chishrst(pt.of)* WHH	14307 18437	15844 24134	16	1 10	3	4					. 2	ï					
2	Bexley H Dartford (Ww, pts. of)*	10401	-	-	-	-		-	1.4	-	-	-	-	-	-1	-	-	
124: 1	Sunbury w	11055	11685	4	7	.2	-	-	-	-	2	-	1	-	-	2	-	
2	Staines W	13277	12089	6	4	2	2			-		1	-			2	2	
125:1	Hillingdon WHH - Uxbridge	6029 6178	10801 3225	6 2	6 -	-	-			-	-	-	-		-			
3	Hayes wHL -	14587	11523	4	4	1	-	-	2	-	-	-	-	-	-	-	-	1
126: 1	Isleworth WHH -	7008 2477	22727 12479	16	7	3	1 2	7	1		-	2	1	-	3	3	.1	
2 3	Twickenham H Brentford HL	4345	27649	15 13	16	5	5	-	1	-	-	1			-	1	1	
4	Chiswick	1340	15975	17	10 14	8	1 2	-	3	-	- 1	-	•		-	1	-	-
127:1	Acton wH	6088 13809	22876 12798	22	5	1	1		1			-		_			1	
2	Edgware H	6994	3749	-	1		1	-		-	-		-	-	-	-	-	
8	Willesden	4383 8382	27458 10484	27	15 7	3	3 2						-	-	1	2 2	-	
137:1	Hendon W	9331	6621	4			-	-				-						
2	Watford (W, pt. of) -	-		-	-		-	-	-	1-1	-	1-1	-	-	-	-	-	
128 ; 1	South Min.ms	15599	6891	5	1		-	-		-	-	1-1	-,	- 1	-	-	-	
3	Barnet Finchiey HL	5433 4683	10092	3 14	10	2 -	2	-	2 -	-				-	-	-	1	
135 ; 1	Hatfield (part of) * -	3306	583	-	1	-	-	-	-	-	-	-	- 1	-	-	-	-	
129:1	Hornsey H	3039	37078	33	12	2	5	-	-	-	-	-	-	-	-	1	-	
2 8	Tottenham H Edmonton Ww -	4642 7483	46456 23468	62	27	8	5 2	-	-	1	-		-	-	2	2 2	- 2	1
4	Enfield WH	12658	19104	14	12	3	-		3	-	1	1	- 4			-	-	
5	Waltham Abbey - '-	11017	5868	5	1	1	-	-	-	-	-	-	-	-	-	-	-	
185:1	Cheshunt H Stratford	8480 882	7785 38606	6	17	1	3	-	1	-			•		-	-	-	
2 2	West Ham w HHH -	4055	90347	21 98	77	3	4		25	-	1	1	1	-	1	1	2 2	
3	East Ham ww	3296	10703	17	11	5	2	-	1	-	-	1	=	1	1	1	-	
4 5	Leyton WwL Walthamstow H -	4372 6520	32430 28869	42	19	6	3	4	-	-	2	-	1	-	1 -	1 -	6	
187:1	Chigwell (part of) * H	11761	9659	10	6	3	1			_	-		-	_	1	1	_	
2	Epping (W, pt. of)	water	-		-			-	1-1	-	-	-			-	-	-	
189:1	Romford (part of) * W	6730	3411	2	2	-	1	-	-	-	-	o -	-	-	-	-	1	
2 3	Barking Town - "-	8493 4127	7645 9203	7	7	2	- 2	1 1		7.5		-	-		-	-	-	

[•] The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Giter Ring are as follow.—
20: 2, Epsom sub-district, except the parishes of Ashatead and Headley (pop. 1235); 37: 1, the parishes of Warlingham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 1933); 41: 1, Bromlay sub-district, except the parish of Chelsdeld (pop. 1818); 41: 2, Chilsheurst sub-district, except the parish of Chelsdeld (pop. 1818); 41: 3, Chilsheurst sub-district, except the parish of Theydon Bois (pop. 875); 139: 1, the parish of Dagonham in Romford sub-district; also deaths in Workhouses belonging to the Outer Ring in 42: 2, Dartford, 137: 2, Watford, and 187: 2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 6th December, 1890.

	Area			L RATE			The Da	ATH	regi	stered	l in t	he W	eek i	nelud	le	
GREATER	in Acres,	Estimated		O living.	DEATHS from	Deat	hs of			1	Death	s fro	m			Public ions.
LONDON.	including tidal water and foreshore.	Population, middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhose.	Violence.	Deaths in Pul
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
TATER LONDON	448,334	5,758,500	30.3	2.2	2226	488	557	-	133	24	52	38	22	7	73	438
OUTER RING -	77,410 370,924	4,42 1,661 1,336,839	20°4 19°2	2.4	1733 493	362 126	4 53	-	91 42	23	41	28 10	17 5	4 3	55 18	408

ore.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 100.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8. - BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

	POPULATION	DATE				ANNUAL	Di	EATH	FROM	PRIN DISEAS	ES.	ZYMO	
CITIES.	(enumerated or estimated).	OF RETUR		BIRTHS.	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoal Diseases.
LOUTTA	433,219 { 773,196	September October November	27 4 11	298	190 205 354	22.8 24.6	-		-	1	-	71 63	22† 32†
DBA8	398,777	October	17	365	344	19.8	1	3	?	2	5	100	25†
	2,260,945	November					1				•	98	70†
USSELS	477.288		29 29	1163 238	904	20.8	-	16	2	33*	. 5	13	53
8 Faubourgs.)		39		1 1		.20°8	3	9	1	-	1	2	13
STERDAM -	406,302	19	22	297	173	22.1	-	- 2	1	. 6	. 4	1	-
TTERDAM -	203,486	**	22 22	133	80	20.4	-	941	-	1	. 2	- Span	-
HAGUN .	156,497			83	43	14'3	-	2	~	-	. ***	- 1	-
PENHAGEN -	312,387	33	29	184	118	19.7	-	1.	3	7	2	2	10
CKHOLM -	236,350	39	22	146	74	16.3	-	440	- 3	5*	-	1	1
RISTIANIA -	143,300	23	29	43	42	15.5	-		5	7	1	**	3
PETERSBURG	924,466	23	22	-	362	20.4	16	3	14	12	1	5	21
STIM	1,547,533	19	15	913	514	17.1	-	-	3	36	9	2	23
MBURG(State)	£91,647	99	22	481	238	21.0	-	6	1	5*	2	1	12
ESDEM	269,250	93	29	157	94	18.2	-	-	-	11*			1
BBLAU	324,400	33	29	223	141	23.0		3	4	12*	8	-	3
NICH	298,000		29	-	141	24.6		3	100	9*	1	2	14
NNA	822,176	22	29	537	365	23.1	2	10	1	16	2	1	21
GUB	314,425	**	29	-	147	24.4	3	1	6	4	1	4	6
DA-PESTH -	. 463,017	33	22	320	233	26.2	!	-	16	17	1	5	9
ESTB	160,092	99	29	85	65	21.1	-	-	-	2*	-	-	-
MIN	417,393		25	166	139	16.6				3		101	22
RIN (10 days)	314.827	**	10	-	-	-	-	-	-	*	-	-	-
NIOR	156,800	November	22	55	111	36.9	17	2	1	7*	-	1	8
BO	874,838	October	23	359	265	36*8	-	-	- 1	1	2	6	85
EXANDRIA -	231,396	39	23	168	150	83.7	-	-	-	6	-	6	42
W YORK -	1,617,997	November	15	-	643	20.3	_	11	7	27	7	10	11
DOKTAR -	871,852	. ,	15	-	340	20.2	_	1	5	11	4	13	8
LADELPHIA -	1,064,277	n ·	15	-	\$67	18.0	-	-	5	21	-	12	3
LTIMORE -	500,343	33	15	-	162	16.9	-	-	2	6		6	5
W ORLEANS -	254,000 {	29 23	8	-	136 161	27·9 33·1	-	-		-2	-	1	8 14
	cluding deaths					,,						-	

Including deaths from croup.
 Including 1 and 4 deaths respectively from cholera in Calcutta, 1 in Bombay, and 16 in Madras,
 Including 6 deaths from malarial feyor.

TABLE 9. --METEUROLOGICAL OBSERVATIONS taken at the MOYAL UNSERVATORY, GREENWICH, during the Week ending Saturday, 6TH DECEMBER, 1890. [Under the Superintendence of the Astronomer Royal,]

0.0 0.0 0.2 6.0 0.0 The height of the cistern of the barometer is 159 feet above the mean level of the sea; no Observations are usually taken at the A.M.; noon; Sh. P.M.; and Sh. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are The means of the of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1886 for the thermoneters. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the agr The average temperature of the air is that derived from a discussion of the photographic records made at Greenwich during the 20 years ending 1868, and that of horizontal movement The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of the legities of the Toreign Catch and that and the are segistered by the Clerk of the Market, under instructions from the The record of Electricity is derived from Thomson's self-registering Electrometar. The symbols employed are: -P. positive; N. negative; w. weak; m. modezuie; s. strang; and The numbers in column 29, derived from the Campbell-Stokes Sunskine Instrument, show The results of all the meteorological observations are to be understood as applying to the The reading of the barometer increased from 30.11 in. at the beginning of the week to 30.22 in. temperature and degree of humidity are deduced bulb thermometers by Glaisher's Hygro-27 converted into mean daily values by the application of corrections deduced from a discussion In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and 5 inches above the Ground. 8um 0.00 in a 26 of the air from a discussion of the anemometric records for the 16 years ending 1875, Average of 16 Years. Miles. -200 -205 20 64 Sum -603 81 Robinson's. Horizontal Movement t of the Air Sum 1510 24 correction has been applied to the readings to reduce to sea level. Wind as deduced from Anemometers Mean of 24 hourly obs. lbs. 9.0 : 23 Pressure on the Square Foot. he aggregate duration of bright sunshine on each day. Least. 0.0 lbs. 22 from the mean daily values of the dry and wet Greatest. 21 Osler's. (column 8). The mean daily dew point NNE. E. & ESE. civil day, or from midnight to midnight, ESE, & ENE. SE. & Calm Calm & N. ISSW. Calm. P.M. General Direction. 20 Variable, "lower," than the average. NNW. NE. N. & NNE. S. R SSW. S. & SSE. E. & ESE. ESE. A.M. 19 Corporation of London. Of the Water of the Thames at Deptford. 38.2 38.2 39.68 39.3 39.4 39.1 \$.68 est. TEMPERATURE. 8.05 8.07 8.07 6.09 Highest, 17 Lowest on the Grass. 34.6 5.66 27.1 83.0 1.78 20.5 Of Radiation. partially High-est in Sun's Rays. 0.88 2.5 2.75 Overcast generally; dense fog in morning, Cloudless in early morning; fine and cloudy till evening; deuse log at night, 80 95 14 88 78 87 GENERAL REMARKS. Difference between the Air Temperature and Dew Point Temperature. Least. 0.1 6.0 2 9.4 9.9 Greatest. 12 Fine; partially cloudy, Mean daily value. 11 Of the Dew Point. Mean daily value. 9.25 \$.65 6.66 0.78 37.8 31.7 34.7 \$0.4 91 Overcast. Overcast. De-parture from 9.4 1.6 4.9 5. 1 1 TEMPERATURE Mean daily value. Registered Sun above Sunshine, Horizon, in hours. in hours. 6.08 33.2 32.7 36.5 39.4 38.0 4.98 35.3 90 Sum 56.3 0.8 Of the Air. Daily 8.1 1.91 0.0 T.4 1.4 0.0 0.0 0.0 0.66 28.0 30.4 Low-34.7 8.76 34.7 est. 9 38.2 0.68 34.7 38.4 13.1 P. in morning; afterwards. A.M. ; v. N. and v. P. till afternoon; w. P. after-ELECTRICITY.
(For explanation of symbols, see Note.) w. P. throughout rected and re-duced to 32° Fahren-heit). v. P. throughout in. 30°196 59.826 29.763 20.223 99.538 m. P. generally m. P. till 8h. w. P. till e. m. P. at night. of the ဘ F. F. **63** 9 80 20 8 30 NOVEMBER. MONTH AND No. of Col. NOVEMBER. 1890. DECEMBER N EDMESDAY BATURDAY DAY. MEANE THURS. Mon. TURB. SUNDAY MOMDAY TUESDAY WED. SUM. FRI. BAT.

OFFICIAL COPY.

WEEKLY RETURN

AND DEATHS LONDON

AND IN

TWENTY-SEVEN OTHER GREAT

By Authority of the Negistrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 50. 1890. Vol. LI.] WEEK ENDING SATURDAY, DECEMBER 13. Price 13d.

> General Register Office, Somerset House, 15th December, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 21.3 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	Weeks ending		Weeks	ending
Towns.	Nov. Nov. Dec. Dec. 22. 29. 6. 13.	Towns.	Nov. Nov. 22. 29.	Dec. Dec. 13.
Birkenhead	17.4 18.4 26.8 23.8	Liverpool	21.1 18.7	24.7 21.9
Birmingham	18.3 18.4 21.0 18.5	London	20.2 18.0	20.4 21.1
Blackburn -	27.9 21.1 20.3 20.3	Manchester -	33 · 4 30 · 2	
Bolton -	25.7 21.6 27.9 26.1	Newcastle-on-Tyne		
Bradford -	18.0 16.5 16.7 19.7	Norwich	21.3 17.0	23.5 23.5
Brighton -	15.2 19.0 16.0 25.7	Nottingham -	19.6 16.6	
Bristol -	19.5 15.9 21.1 22.5	Oldham	27.4 22.4	25.6 19.5
Cardiff -	25.0 19.2 22.3 12.9	Plymouth	18.5 24.5	20.5 23.2
Derby -	15.5 15.0 17.1 16.5	Portsmouth -	24.4 20.4	
Halifax	30.5 21.6 29.9 26.7		17.4 26.8	
Huddersfield	18.3 21.6 21.0 17.7	,	24.9 15.5	
Hull	18.5 18.8 12.7 15.6		25.1 19.4	
Leeds -	23.4 19.2 21.6 20.8		24.1 16.8	
Leicester -	15.9 19.9 19.9 16.2	Wolverhampton -	20.0 20.6	18.8 20.6

The highest annual death-rates, measured by last week's mortality, were:-from measles, 1.5 in Bradford, 1.7 in Leicester, 1.8 in Oldham, 2.5 in Sheffield, 2.6 in Manchester, 4.5 in Preston, 6.3 in Bolton, and 6.5 in Birkenhead; from scarlet fever, 1.4 in Bolton, 1.6 in Liverpool, and 1.9 in Halifax; from whooping-cough, 1.0 in Preston, 1.1 in Sunderland, and 1.6 in Norwich; and from "fever", 1.1 in Huddersfield. The 65 deaths from diphtheria included 45 in London, 5 in Leeds, 3 in Liverpool, and 3 in Portsmouth. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In LONDON 2293 BIRTHS and 1787 DEATHS were registered. Allowing for increase of population, the births were 445, and the deaths 6, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18.0 and 20.4 in the preceding two weeks, further rose last week to 21.1. During the past eleven weeks of the current quarter the death-rate averaged 19.6 per 1000, being identical with the mean rate in the corresponding periods of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

The 1787 deaths included 92 from measles, 30 from scarlet fever, 45 from diphtheria, 27 from whooping-cough, 13 from enteric fever, 12 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 219 deaths were referred to these diseases, being 2 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 12; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum The deaths from measles, Hospitals or in the Highgate Small-pox Hospital. which had been 76 and 91 in the preceding two weeks, numbered 92 last week, and exceeded the corrected average by 25. The fatal cases of scarlet fever, which had been 27 and 23 in the preceding two weeks, increased again last week to 30, being, however, 3 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1803 scarlet-fever patients at the end of last week, the numbers on the preceding five Saturdays having decreased from 2122 to 1913; 125 cases were admitted during the week, against 139 and 151 in the preceding two weeks. The deaths from diphtheria, which had been 48 and 41 in the preceding two weeks, increased again last week to 45, and were 21 above the corrected average; of these deaths, 3 belonged to the Outer Ring, being of persons admitted to hospital from Walthamstow, Plaistow, and New Southgate respectively. The 27 deaths from whooping-cough were slightly lower than the number in the previous week, and 23 below the corrected average. The deaths from diarrhaa and dysentery, which had been 16 and 4 in the preceding two weeks, increased again last week to 12, corresponding with the corrected average.

The deaths referred to enteric fever, which had been 12 and 16 in the preceding two weeks, decreased again last week to 13, and were 7 below the corrected average. The Metropolitan Asylum Hospitals contained 175 cases of enteric fever, and not one of typhus, on Saturday last; 17 cases of enteric fever were admitted during

the week, against 18 and 16 in the two preceding weeks.

One death was attributed to "influenza," and one to "epidemic influenza,

typhoid fever."

The deaths from diseases of the respiratory organs, which had been 375 and 444 in the preceding two weeks, further increased last week to 487, but were

8 below the corrected average.

Different forms of violence caused 61 deaths, concerning all but 2 of which inquests were held. Of these 61 deaths, 5 were cases of suicide, while the remaining 56 were attributed to accident or negligence. Two of these were caused by horses or vehicles in the streets, 10 by burns or scalds, 3 by poison, 6 by drowning, and 20 (including 16 of infants aged under one year) by suffocation.

The death of a male, aged 45 years, was referred, after inquest, to "syncope from heart failure when under chloroform properly administered for operation."

GREATER LONDON.

In Greater London 3018 births and 2261 deaths were registered, corresponding to annual rates of 27·3 and 20·5 per 1000 of the estimated population. In the Outer Ring 29 deaths were referred to measles, 12 to whooping-cough, 10 to "fever," and 9 to diphtheria. The deaths from measles included 7 in West Ham, 4 in Leyton, 3 in Croydon, and 3 in Chiswick sub-districts. Three deaths from "fever" were returned in Croydon sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29·92 ins.; the lowest reading was 29·75 ins. on Monday afternoon, and the highest 30·05 ins. on Wednesday evening. The mean temperature of the air was 30°·6, and 12°·0 below the average in the corresponding weeks of the 20 years ending 1868. The mean was far below the average on each day of the week, the deficiency on the last four days ranging from 13°·4 to 15°·6. The general direction of the wind was Easterly, and the horizontal movement of the air averaged 4·4 miles per hour, which was 8·3 miles below the average in the corresponding weeks of 16 years. No rain was measured during the week. The duration of registered bright sunshine in the week was 1·0 hour, against 11·6 hours at Glynde Place, Lewes.

- Anne
Returi
his
3 Auc
-
lirst
00
_
100
-
-
-
2
note
pred
-31
133
w
See
UKJ.
AA.
_

	CITIES	BOROUGHS,	Cols.	- 28 TOWNS.	LONDON.	PORTENOTES	NORWICH.	PLYMOUTH.	WOLVERHAMPTON	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	BIRKENHEAD.	LIVERPOOL	Borrow.	MANCHESTER.	SALFORD.	OLDHAM.	PRESTOR	HUDDERSFIELD.	HALIPAX.	BRADFORD.	SHEEDS.	HULL	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGE.	GLASGOW.	DUBLIE.
PALL.		In Centi- metres.	24.	0.10	00.0	0.0	1	12.0	00.0	1	1 000	00.0	1	00.0		•			1 1	1	1	0.58		0.00	3 1	0.53	1	0.02	01.0	0.03
RAINFALL		ln Inobes.	28.	0.04	00.0	00.0	1	0.50	00.0	1	1 000	00.0		00.0	1	8		1		1	1	0.11	2	10.0		60.0	ı	0.05	10.04	10.0
AIB.	an.	.9bargitasU	22.	0.37	84.0-	00.0	1	3.28	-1.22	1	1 000	20 I	1	92.0-	1		1	1	1 1	1	1	2.83	ı	86.1	1 1	19.0	1	1.00	1.20	2.20
OF THI	Mean.	r'ahrenheit.	21.	32.7	9.08	31.7		87.9	-	1		9.22	1	31.0	1	1	1	ŧ	8 1	1	ı	37.1	1	24.8		33.5	1	93.0	34.7	36.2
TEMPERATURE OF THE AIR.	.3	peit Lower	20.	0.12	21.17	24.0	1	0.63		1		22	1 1	- 67 - 67	,	1	9		9 1	,	1	28.0	1	0.66	2 1	25.0	1	0.75	6.15	8.17
TEMPE	-ta	Fabrenbeit Lower	19.	46.5	39.2			46.5		1	0.06		1	37.5				1		å		45.8 2	ı	5 0.07		42.0	1	41.2		9.8
	eaths	From From Diseases in Cols. 6-12.	18.	5.6	9.6			0.0		8.0	1.7	-	6.4	2.7	8.1	9.8	9.7	00 %	4 4	1.1	2.1		2.7	0.0	_		₹.0	1.0	8:1	
per 1006, corresponding	Veek's I	From All Causes.	17.	21.3	21.1	2.12	23.5	23.23	20.0	18.5	7.01	16.5	23.00		26.1			19.2		17.7	2.93	1.61	20.8	# 12 # 12	20.00	6.81	12.0	8.1	6.55	25.6
	1182	Officer of the state of Designation of the state of the s	16.	64	15		1	1 -	1 1	67	-	- F	- 1	16 2	_	-	61	- ·	7 4	R E	67	1		20 10	-	1 1	1	-	277	
	*81	Deaths is a specification of the specification of t	15.	724	426	10	63	ر بن م	, es	61	4 0	16	# G	45	20	37	34	9	23 0	1 00	1	10	21	1 12	- I	9	4		31	
		Inquest Cas	41	264	143	4 61	H	o 4	-	12	L1	47 G	9	00	73	17	ೲ	00 6	e3 c	2	H	Н	10	41 0	13 -	7 1-	• 00	a	çı.	01
apn	1	Vlolonee.	13.	131	61	1 01	1	1 00)	00	20 A	₹ 6	9 -	1 >	-	11	67	₹1		4 1	Н	1	4	3 0	N r	+ =	30	1	4	-
ek inci		.amdrraid	12.	4	12	. 1	63	1 1	1	r	1 0	: :	1 1	ಣ	1	-	C.1	1	1 0	0 1	Н	Н	C1	4 1	٦,	H 1	1	H	00	-
De We		F.6461.	=	37	50 -	- 61	1	1 -	4 8	t	r	-	F	-	н	1	67	-	1 -	4 61		c1	4	67 r	4	1 1	ŀ	1	1	ro.
The DEATHS registered in the Week include	from	Whooping-	10.	22	27	1 1	63	1 1	t	61	1 ,	-	1 -	1	1	တ	1		1 0	1 1	Н	Н	4	20	1 0	ے د	1 1	60	13	4
egister	Deaths from	Diphtheria.	9.	65	45	1 60	Н	1	1 1	П	1	p=={	l -	4 20	1 0	ı	ı	-	1 .	٦ .	Н	H	10	-	1	1 1	1	1	co	
ATH8 F		Scarlet.	00	20	30	1 1	1	1 -	1 1	67	1	1	1 1	19	ေ	61	63	1	٦,	٦ .	60	¢1	1	4	ı	1	1	1	0.1	ı
be DE		Measles.	7.	213	99	4 1	61	1 2	3 63	7	20	-	1 65	7	4	19	9	20	1	e 1-	G1	L	41	16	23 1	- 1	-	-	1-	1
a		Small-pox.	6.	t	t 1	1 1	1	1	1	ı	ı	1	1	1 1	1	1	1	1	8	1 1	1	1	1	1	1	1	1	1	ı	1
,	0	Persons ages 60 Years and upwards	6.	1003	165	15	20	田田	25	800	1-	200	0	9 40	5	43	13	12	14	20 0	10	24	23	37	18	G 14	0	30	38	55
1	3	Infants under lorast l Sec.	4	831	354	16	10	6	200	42	16	19	12	122	4	39	13	12	12	63 r	135	18	42	37	11	17	4	17	55	35.
during	_	ė	53	3966	1787	19 22	53	35	33	164	48	87	220	988	200	198	88	55	48	67	4.2	16	145	175	64	61	20	16	929	173
Registered during	13th Dec., 1890,	BIRTES. D	oi	5136	2293	4 C	2.4	43	48	220	22	96	- OF	27	55	509	116	92	200	35.	69	113	211	206	140	23 1	11	159	361	203
_	_	1 =			-	62	2 62	98	96	19	4	60		98	99	3.7	60	91	60	3 %	33	10	66	37	500	90	12	10	92	27.00
	Portlarion estimated	to the middle of the Year 1890.*	1,	9,715,559	4,421,661	123,659	142,952	78,780	232,248 83,406	461,865	154,844	244,909	100,871	105,049	115,846	879.487	242,509	146,716	123,553	105,165	82,034	240,515	363,799	332,837	213,833	136,506	117,012	271.188	530,208	353,082
-			Cols.		•			•	LON	•	•	•	•		•	•	•	•	•	+				•	•		•	-	•	- 1
	CITIES	AND BORUUGHS.	0	28 TOWES	LONDON .	Ввіентой .	PORTSMOUTH	PLYMOUTH .	BRISTOL WOLVERHAMPTON	RIBMINGHAM	LEICESTEE .	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL	MANCHESTEL+	SALFORD .	OLDHAM .	BLACKBURN .	PRESTON -	HALIFAX .	BRADFORD .	LEEDS	SHEFFIELD .	HOTE .	SUNDERLAND	CARDIER .	- EDIWRTRGH -	GLASGOW .	DUBLIN

TABLE 2. LONDON.—Births and Deaths Registered in the FIFTIETH Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females	2480	2480	2569	2540	2614	2671	2415	2516	2291	2535	2738·3	2293
	1268	1283	1320	1257	1319	1390	1238	1293	1139	1323	1399·1	1144
	1212	1197	1249	1283	1295	1281	1177	1223	1152	1212	1339·2	1149
TOTAL Deaths Males Females .	1377	1636	1996	1722	1638	1725	1499	1625	1455	1768	1792·8	1787
	709	819	982	833	786	868	763	807	733	901	894·3	910
	668	817	1014	889	852	857	736	818	722	867	898·5	877

^{*} The numbers in this column are the average weekly numbers in the cth. weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE OF BOILD OF	1		-			10110	0 L 111	the .	Last :	TUIVI	EEN	WEEK	
	Sept. 20.	Sept. 27.	Oct.	Oct. 11.	Oct. 18.	Oct. 25.	Nov.	Nov.	Nov. 15.	Nov. 22.	Nov. 29.	Dec. 6.	Dec. 13.
TOTAL Births	2355	2458	2433	2409	2412	2512	2295	2173	2321	2206	1980	2240	2293
TOTAL Deaths	1375	1458	1413	1472	1741	1649	1817	1734	1709	1716	1527	1733	1787
0-20 years -	667	740 182	726 170	747 180	870 204	835 200	827 206	785 222	758 239	789 226	662 207	758 205	767
Ages at \ 40-60 ",	214	236	223	240	316	264	336	331	296	283	277	317	319
Death 60-80 ,,	232	256	253	254	.281	296	372	318	343	350	300	372	391
(80 years & upwards	62	44	41	51	70	51	76	78	73	68	81	81	100
Under 1 year 1-5 5-20	227	429 207 104	433 193 100	436 213 98	491 260 119	429 306 100	413 303 111	393 283 109	392 257 109	369 308 112	296 266 100	362 296 100	354 304 109
		1						انتا			100	100	100
Deaths from Small-pox		1	_				_						
,, Measles -	33	22	30	38	59	70	95	74	63	76	76	91	92
, Scarlet fever		16	20	20	20	29	16	23	15	26	27	23	30
,, ,, Diphtheria	35	38	28	38	41	23	26	50	29	37	48	41	45
" " Whooping-coug	38	29	18	29	30	28	19	20	25	33	15	28	27
", ", Typhus -	-	-	-	-	-	-	-	-	1	-	-	1	
" " Enteric fever	21	18	24	24	21	15	26	29	24	23	12	16	13
", ", SimpleContafev		2	1	1	2	1	-	-	-	-	2		-1
,, ,, Diarrhœa and Dysentery -	S 1 0/1	86	105	94	75	55	43	26	19	11	16	4	12
", ", Cholera -	3	6	3	2	2	_	_	_	1		_		
,, ,, all the above-		218	229	246	250	221	225	222	177	206			
mentioned Diseases	,	2.0	220	210	200	221	220	222	166	200	196	204	219
", ", Dis. of Respira- tory System	187	222	262	197	340	417	450	465	465	459	375	444	487
,, ,, Phthisis -	- 157	130	123	147	204	139	189	153	174	184	151	189	161
" ,, Dis. of Circula- tory System		104	100	123	144	151	156	141	139	134	130	167	157
Violent Deaths	43	- 52	61	49	52	50	57	65	55	70	0.4		
Inquest Cases	83	103	107	113	123	114	119	143	131	56 109	127	55	61
Deaths in Public Institutions		377	335	346	397	382	395	432	410	426	404	121	426
TEMPERATURE OF THE AIR		0	1			0	0	1					
Mean	- 60.4	58.8	56.7	54.8	47.7	48.2	43.6	45.2	44.5	50.0	34.3	35.3	30.6
Mean of Highest readings			66.3	64.1	56.5	54.4	50.4	51.7	52.4	54.0	39.8	39.0	33.7
Mean of Lowest readings	- 51.0	50.9	49.3	45.5	39.8	43.2	36.3	39.0	37.3	45.1	28.9	30.4	27.1
Humidity of the Air	- 74	83	76	82	82	83	85	82	88	90	82	87	91
Rain-fall in inches -	- 0.34	0.31	00.0	0.33	0.20	0.45	0.23	0.77	0.28	0.19	0.18	0.09	0:00
Registered Sunshine (in hour	50.7	24.9	36.9	36.5	16.0	8.8	12.6	16.4	16.2	3.1	0.8	2.8	1.0
			1					-		-	-	-	

METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartun, Esq., F.R.A.S., F.R.M. H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne,

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Fifthern Week of the Year 1890.

					FIF	TIE	TH	We	ek	of the Year 1890.									
	for the	Se	turd	ay, 1	We 3th	ek er Decer	ndina mber	1890).		for the	FI	turd	In the	e We	ek e	ndin	189.1	-
1.	ges fo		D	eath	he A	Perso	ons o	f			ses for		D	eaths t	of P	ergo	ns of		
CAUSES OF DEATH.	Corrected Averages 50th Weeks of the 1880-89.*	L AGES.	1.	Unde 20.		and under 40.	and under 60.	and under 80.	Upwards.	CAUSES OF DEATH.	Corrected Averages 50th Weeks of the 1 1880-89.*	L AGES.		Jnde 20.	.30.	and under 40.	and under 60.	and under 80.	y Years and
	25	ALL	19	11	5-20	8	9	60	2 2		Cor	ALL	0-1.	1-5.	5-2	20 8	40 an	nit) 8.1	11.0
ALL CAUSES	1792.8	1787	354	304	109	210	319	391	100	Diseases of Organs of Special Sense † }	2.2	7	-	-	1	4	2	-	-
Small- Vaccinated;	3.6	-	-	-	-	-	-	-	-	TV.		-				-	-		
pox Unvaccinated No Statement	3'8		-	-	_	-	-	-	-	Diseases of Circulatory System }	132.3	157	2	-	13	18	44	73	7
Measles	66 7	93	20	63	11	1	-	-	-	0		-	-			-	-		-
Searlet Fever	33.4	30	3	18	8	1	-	-	-	Bronchitis	17·3 312·1	13 28±	66	56	5	4	35	91	2
Typhus Relapsing Fever †	0.0		-	-	-		-		_	Pleurisy -	112.5	133	37	5 9	7	9	19 5	17	5 -
Influenza	0.1	.1	-	-	-	-	-	1	-	Other Diseases of Respi- ratory System}	46 5	47	6	7	3	6	14	10	1
Whooping-cough	50.2	27	9	18	-		-	-	-	Dantition t		-						-	-
Diphtheria	24.2	45	1	34	9	-	1			Dentition † Quinsy, Sore Throat † - Enteritis	11.1	13	7	6	ī	-	ī	-	-
Simple Continued and } Ill-defined Fever -}	1.3				-	-	-	-	-	Peritonitis	6.8	. 3	1 -	-	3	1	2	1	-
Enteric Fever	0.0	13		1	3	6	3	-		Diseases of Liver - Other Diseases of)	29.2	24	.1	-	1	4	6	11	. 1
Cholera and Chol, Diarr. Diarrhœa, Dysentery -	12.4	13	6	2	-	1	7	3		Digestive System -}	29.7	19	3	1	3	2	. 6	3	1
Remittent Fevert	03	-	-	-	-	-	_	-		Diseases of Lymphatic)	-			-					-
Hydrophobia	0.0			-	-	-	-	-	L	System & of Ductless Glands † -	2.8	4	-	-		2	-	2	-
Glanders Cowpox and Effects of)	0.1				-	-	-	-	-			-	_		-			_	-
Vaccination †}	0,0	1	1	-	-	-	-	-0	F	Diseases of Urinary }	45.5	51	_		2	4	19	23	5
Venereal Affections -	10.6	9	5	-	-	1	2	1	-	Distom									C COLUMN
Erysipelas Pyæmia and Septicæmia †	8°8 2°4	6	1	-	-	1	-	4		Diseases of Generative									-
Puerperal Fever	7.2	8	Î.		_	8	_	1	H	System	3.8	3		-	-	3	2	2	- 000
Other Zymotic Diseases †	2.0	-		-	-	-	-	-		- Canada Vi		-	-			_	-		
Thrush	16	1	1						۵	Diseases of Locomotive	8.3	4	1		2	_	-	1	-
Worms and other Para-)	0.4	1		-	-	-		-							-				-
sitical Diseases}				_	_	-	-	-		Diseases of Integumen-	6.5	3	2	_	_	1	_	_	- I
Starvation, Want of	12	1.								oury Dyscoid;		-			-	_			
Breast-milk †}				-	-	-	-	-		VIOLENT DE MINE									
Alcoholism	4.9	5		-	_	-1	8	1		VIOLENT DEATHS.									
Rheumatic Fever,	10.3	10								(ACCIDENT.) Fracture and Contusion	18.2	17		3	3	8	5	4	
Rheumatism of Heartf	4.5	12		-	2	6	3	1	-	Gunshot Wound Cut, Stab	0.3	-	-	-	-	-	-	-	-
Rheumatism † Gout	2.6	1 2		-	-	-	1	-		Burn and Scald Poison	6 9	10	- 1	4	3	1	-		-
Rickets †	2.8	3	-	8			_	2		Drowning	3.7	6	1	-	1	1	1 2 1	2	-
Cancer	88.1	62	-	-	-	5	31	25	i	Otherwise	2.2	20	16	1 -	-	-	1	2	-
Tabes Mesenterica - Tubercular Meningitis -	20.1	15	9	4	1	-	1	-	-						-				-
Phthisis	178.6	16 161	4	9 ;	8	1	E7	-		(HOMICIDE,)									-
Scrofula, Tuberculosis -	14 2	21	4	7	6	85	57	9		Murder & Manslaughter	1.3	_	-	-	-	-	-	-	-
Other Constitutional Diseases †}	11:1	14	-	1	-	8	7	2	1	(SUIGIDE.)									
Premature Birth	37'4	46	46							Gunshot Wound Cut, Stab	0 9 1.5 1.2	1 2	-	-	-	ī	1	-	-
Atelectasis +	2.8	2	2	-	-		-	_	-	Poison Drowning	1.3		-	7	-	-	-	-	-
Congenital Malforma-	6.9	7	7							Hanging	1 4 0 3	1	-	-	-	1	ī	-	-
Old Age	59.0	71					,	32	38					_					_
	7		-	-	-	-	1	-		(Execution.)									1
Apoplexy	51.6	56	-	-	-	- 4	21	26	5	Hanging	0.3	-	-	-		-	-	-	-
Convulsions -	6°0 42°9	7 87	33	3	2	1	2	1	1				-	-	-		-	-	-1
Other Diseases of Rrain	90*8	98	12	12	9	13	10	32	-	OTHER CAUSES †	6).0	49	43	2	-	-	2	2	-
and Nervous System	0.0	00	14	14	9	11	16	32	6		-		-						
* The numbers in this c	olumn ar	a the e						c				-		-	-	-	-	-	-

numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9.046 per cent. for increase of population. to the control of the

TABLE 5. LONDON. -POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

	-	[]					-	7.	V2 .	10.04	-4"				ie W	COR	enai	пg
				D1			The	DEA	THE		hs fr			1 1113	10.70		-	
	Enume-			Deat	he of	1	-	1		-	45 11		1	-			lio	ses
REGISTRATION	Fopu-	BIRTES.	EATE	under f Age.	aged du			Fever.		Whooping-cough		(or	con-			Cases,	Publ	Causes
SUB-DISTRICTS.	1881		2		118 82 I	-box	es.		Diphtheria.	ping	us.	Enteric (o	le co	.hosa	nce.		is in	tifted
		Total	Total	Year o	Years	Small-1	Measles	Scarlet	Dipht	Мьо	Typhus	Enter	Simple canned	Diarrhosa	Violence	Inquest	Deaths Institu	Uncertified of Death.
					4	-	-	-	-		-		_	-	61			
rondon	3,815,704	2293	1787	354	491	-	92	30	45	27		13		12	10	143	426	15
WEST DISTRICTS	905,947	31 ₀ 486	283 372	51 68	104	-	10	14	7 16	6	-	2	-	3	5	33	93	2 -
CENTRAL DISTRICTS	982,238	132 476	117 356	20 93	34 72		30	7	3 10	7	-	3	-	4	10	19 42	27 87	-
EAST DISTRICTS - SOUTH DISTRICTS - AND	692,738	859	631	123	186	-	38	4	9	10	-	5	-	3	20	27	101	13
METROPOLITAN HOSPITALS AND		-	25		10	-	-	-	-	-	-	-	-	-	-		25	-
WEST DISTRICTS.	4.000	35	26		14	_	-	-	_	-	1_	1		-	-	_	6	
St. Mary Paddington WHH G.J. a W.M. St. John Paddington H - G.J.	69898 37330	13	14	1 10	5	-	-	_	2	1	-	1	-	-	1 2	5	5 16	-
Rensington Town Ww - W.M. & C	120141	54 7 2	13	10	5	-	-	-	-	-	-	1	-	-	-	-	4	-
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J Fulham Ww	7599 64340 42900	51 48	35 47	9 12	7 12		6 3	4	1 -	ī	-	-	-	2	1 2	3 7	3 10	-
Chelsea Kensal Town	15049 42683	12 25	19	3 3	1 7	=	i	-	- 1	=	-	-	-	-	1	2	7 2	-
Cheisea South G.J.	30396 30353	9 29	20	1 2	17	-	-	-	- 2	1	-	-	-	-	3	1 2	13	1
Belgrave WHHH - C.	59220 35496 24679	15 9	19 10 7	2 1	5 3 2	-	-	-	-	-	-	-		-	-	-	-	1 -
St. Margaret Westminster WHH N.R. &G.J	29941	6 5	11	-	8 -	1	-	-	-	-	=	-	-	-	-	-	6	-
St. Anne Sono HARRIAN		10	14	١.	3	1	_			-		_		1	1	1	7	
	26759 14991 24809	14	6	1 2	1	-	-	-	-	-	-	-	-	-	-	-	1	-
All Souls Marylebone HHAHH - W.M. Cavendish Square HHHH - W.M. Rectory Marylebone W - G.J. & W.M. St. Mary Maryleb. HHHH G.J. & W.M. Christohurch Marylebone H - W.M.	21118	18 13 11	12 5	1	6	3	=	-	-	1	-	-	-	-	1	3.	-	-
Hampstond Wanlight - N.R. & W M	45452	25	32	6	ŏ	-	-	6	5	-	-	-	-	-	-	-	14	-
Regent's Park Pancras H. N.R.&W.M	27729	17 11 21	13 19 11	3 2	2 4	-	-	-	1 - 1	-	-	-	-	-	-	1	15	-
Somers Town HH N.R.	84369	21 13	18	2	10	-	-	-	ī	ī	-	-	-	1	-	1 -	12	=
Kentish Town W N.R.	87487 67946	56 46	31 36	6	18	-	3 -	-	1 -	2	-	-	-	1		3	9 14 1	-
Islington South-west H - N.R.	100978 61835 52048	49 27 19	31 20 17	4 4 1	7 7	-	-	1	1 -	1 -	-	-		-	1	5 1	-	-
Make Namington H N.R	. 22781	11 7	8 8	4	2 2	=	-	-	1	-	-	-	-	-	=	1	-	-
West Hackney H Hackney Warnow H - E.L.& V.	K. 76911	25 50 18	11 50 9	8 8	10	-	6	1 4	5	1-		2	-	-	ī	1 4 3	19	-
CENTEAL DISTRICTS.												1				0.		1
St. George Bloomsbury - N.R. St. Giles South WH N.R. St. Giles North H N.R.	14864	7 7 3	3 5 3	1	2 1	15		-	-	-	-	=	-	1 -	1 2	3	1	
I de Mertin-in-the-Fields HH N R. & C	17508	4 8	6 3	1	1	-	-	-	-	-	-	1 -	-	-	1:	1	3	-
St. Clement Danes WH - N.R. Strand Union Workhouse, Edmonton w	8559	2	8 5	-	3	-	-	-	-	-	-	: -	-	-	1:	1	3 5	1:
St. Geothe-Martyr HHHHHHH N.R	18671		6 3 2		2 1	-	1 -	-	-	-	-	=	-	-	1	-	1	-
St. James Clerkenwell N. H	17516	8	5	1 2	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Pentonville N.H.	14778	8	7 9	9		-	1	-	-	-	1:	-	1:	-	1	2 2	-	1
City-road HHL N.S.	18628	24	2	1	1	-	1	1 -	-	-		-	-	-	1	1 -	3	
Finsbury Holborn Union Workhouse, Mitcham w	-		. 5	H	2	_	-	-	-	-	-	-	-	-	ī	2	1	-
St. Botolph H - N. K. & E. Cripplegate - N. I.	3. 7198 3. 5358	1			-	1 -	-		3	-	-		-	-	3	- 4	15	1
St. Bride W N.	8396 8. 13666	1	11 5	3 2	1	1 :	-	-	-	=		-	-	-	-	-	-	-
Broad Street H N.	8. 8689				1	1-	1 -	1 -	-	1-	-	1	1	1 -	. 1 -	-	1 -	

Note—The Italie letters placed against the names of the sub-districts denote Public Institutions situated tustom, nam ly: W—Work house; H—Hospital; L—Lunatic Asylum; L*—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishmen receiving immates from other Districts than that in which it stands. The Koman capitals signify the Water Companies which supply the different aub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Yauxhall; L. Lambath; N. B. Nor-River; E. L., East London; and K., the Kent Company.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district urday, 13th December, 1890.

							Th	e DE	ATES:	regist	ored i	in the	Was	k in	inde			
	Enume			Dea	ths of	1				-	as from		7100	- :11(1	-	
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or 'Pyphoid') Fover.	simple con-	Diarrhus.	Violence,	Inquest Cason.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS. reditch South · HL* N.R. ton New Town w N.R. ton Old Town N.R. gerston WH N.R. E.L.	22343 29937 28036 46275	10. 28 15 27	10 20 7 18	5 2 5	8 9 2 2	1111	- 1	1 1 2	2	1111	11.1			- 1	- 1	1 1 1	1 8	-
nnal Green North H - E.L. nnal Green South - E.L. nnal Green East $WHL*$ - E.L.	51157 34399 41405	29 19 35	25 11 82	7 4 4	4 2 8		2 1 6	-	1 2	-	- 1	1		-	1	3 -	5	-
alfields E.L. & N.R. End New Town W E.L. techapel Church H tman's Fields E.L. tate N.R. & E.L.	22585 15473 17490 9713 6102	15 13 8 2 5	6 15 30 3	3 4 3 - 1 -	1 5 2 2 1	1111	1	1 10111	1	1111	1 1 1 1 1 1	1	+ 1 + 1 +	1111	1 3 1	2 2 4 1	1I - 8 24 -	1 .1111
George's, North E.L. John, St. George East W - E.L.	38747 8410	25 10	19 13	5 4	·5	-	3	-	1	1	-	1 1	-	-		2	-	-
dwell H E.L. & N.R. elliff E.L. eheuse E.L.	10895 16107 32041	9 8 26	4 4 23	3 2, 8	1 8		5	11.11		- 1	-	-		- 1	1	1 3	1	
End Old Town West H - E.L. End Old Town East WwwH- E.L.	87980 67653	38 43	14 30	5 12	1 3	-	2 3	1 2	. 1	1	-	1		- 2	ī	2 5	- 6	-
L* - E.L. ar WWH E.I.	37074 64359 55077	27 44 40	8 87 25	2 7 7	1 10 3	-	6	1.1.1	- 1	1	-	-	1111		1 4	4 7	12 3	1 1 1 1
SOUTH DIGITALOTS. Saviour Southwark ## L. & 8. Saviour Southwark - S. & L. Saviour Southwark - S. & L. Saviour Southwark - S. & L. Saviour Southwark - S. & L. Saviour Southwark - S. & L. Saviour Southwark - S. & L. Saviour WH - S. & L. Saviour Southwark - S. & L. Saviour WH - S. & L. Saviour WH - S. & L. Saviour WH - S. & L. Saviour WH - S. & L. Saviour WH - S. & L. Saviour WH - S. & L. Saviour WH - S. & L. Saviour WH - S. & L. Saviour WH - S. & K.	13663 14999 21381 15953 21318 26672 59555 21623 11956 16300 15669	16 5 9 7 15 41 15 9	7 5 5 8 9 13 19 15 14 7 14	18 - 361 321	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	3122	ii iiriiii	111	Title title		11111111	11111111		1	1 1 1 1 1 1 1	1 3 1 5 - 10	
Price Pric	54682 36024 15195 16351 19876 39859 45232 35332 62837 19017	33 29 5 14 16 20 22 18 36	20 25 7 6 15 23 27 16 35 6	3 8 1 1 1 3 6 1 6	7 5 2 1 5 8 7 4 11 5	11111111111	217	The Filtinia	1 - 3	3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	THE THE PERSON	THE PROPERTY OF		thirties of	1 2 1 1 -	1 1 3 1 9 -	6 7 - 4	
Batterea WwH S. lam H S. deworth WHL S. ey S. tham w L.	54678 52587 86389 28004 18235 25558	32 49 28 24 5 25	16 36 13 14 5	5 5 2 -	3 11 8 3 1 8	11111	1 1 -	111111	1	-2111	1111111	1	111111	1 1 1 -	1 2 -	1 - 2	11	1
rich - L. & S. berwell - WoL*L* - S. & L. & K. berge Camberwell - L. & S.	5590 59104 71089 50310	37 55 41	3 39 39 15	7 8 7	1 9 10 2	1111	1 4	-	111	1	-	- 1			1 1	1 2	20 2	- 1
ani Deptford w K, icholas Deptford K, nwich West H K, owich East WHH K,	76752 7901 21972 24603	63 7 7 19	20 2 7 15	15 1 8 5	8 - 2 5	1111	1 2 -	3 -	2	1111	-	1	-	1 1 1	4 -	5 7	5	3 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	14 15 11	4 12 17	2 7	2 6 6		1		7 3 9	111	1 111				2 -	2	7	1111
ton H/I K. wich Dockyard K. wich Arsenal HH K. stead, West H K. stead, East W K.	10930 17617 19048 14009 19241	6 4 21 14 25	7 2 11 6 15	2 1 2 -	2 - 3 2 2	1 11111	2 1 3 - 4		1111	11111		- 4111		1 111 1	1111		1	2
ital Ships and Camp, Dartford	-		72 25 20 4	111111111	2 1 2 1 1 2 1 -		4							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		111111111	3	

FABLE 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums).—Area; Population; Births and Deaths registered during the Week ending Saturday, 13th December, 1890.

		Area					:	?	he Di	EATHS	regist	ered in	the V	Veek i	nelude			
egis- ration		in Acres,	Enume-			Dos	hs of				Death	s from						88
District and Sub- listrict Num- bers.	REGISTRATION SUB-DISTRICTS.	ding Tidal Water and Fore- shore.	rated Popu- lation, 1881.	BIRTHS,	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cougn.	Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LON	DON - OUTER RING	370,924	950,957	25	474	122	130	-	29	4	9	12	10	3	8	5		10
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 19710	10 8	4	1	1	-	-	3 1	1	1	10	-	-		-	-
37:1	Godstone (part of) * -	2754	1235	2	-	1-,	-	-			-			-		-		-
38:1	Croydon Ww L - Mitcham w	20851 11697	101241 17932	59 12	48 7	9	19 4	-	3		1	1 -	3	-	2	6	3	1
89:1	Wimbledon HHH -	3220	15950	6	6	1	1 3	-	1	-	-	_		-	-	1	4.	-
2 8	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	28 4	15 7	8	-	-	1	2.5		:			1	1	-	-
4	Hampton H + -	4573	13539	6	1	1	-	-	-		-,	-	-	-		-	-	10.
40:1	Richmond WH	2272	21302	11 6	6 2	1	2	-	1	-	-	-	1 -	."	-		1	-
2	Mortlake	2941	12331 31142	20	14	2	6				-	_	1		-	-	2	
41:1	Bromley(pt.of)*HHHH Chishret(pt.of)* WHH	15669 14807	15844	11	9	4	3	- 71	-	-	-	. 1 .	***	~ - .	-	-	5	-
42:1	Bexley H	13437	24134	20	7	4	2	-	·	-	, -	.1	-	_	-	-		1
2	Dartford (Ww, pts. of)*	-		9	4				1	_	_		-		-	_	_	-
124: 1	Staines W-	11055	11688	4	4	2	1	-	-	-,-			-	-	-	1	1	-
125:1	Hillingdon WHH -	6029	10802	4	6	1	3	-	-	-	-	- '	-	~	-		-	-
2	Uxbridge	6178	3225	3	6	1	1	_	2		_	-	1	-	-	1	_	3
8	Hayes wHL	14587 7008	11523	18	13	2	4		_	1	_	-	-	-	1	- '		7 5
126: 1	Isleworth WHH - Twickenham H	2477	12479	3	3	2	1	-	-	-	-	1	-	-	-	-	-	1.1
3	Brentford HL	4345 1340	27649	18	15	4 7	6	-	3	1 -	-	-	-	-	1 -	-	-	7
5	Chiswick	6088	22876	10	7	3	2		-		-	-	-	-	-	1	-	-
127:1	Harrow H	13809	12796	8	5	1	1	-	-		-		-	-	-	1	-	4.1
2	Edgware H	6994 4383	3749 27453	23	14	3	1 5	_	-	1	-	-	-	-	1	1	-	2
3	AN ILLEBRIGHT -	8382	10484	1.2	8	2	3	-	1	-	-	-	-	-	-	-	8	1
137:1	Bushey	9881	6621	2	1	-	1		-	-	-	-	-	-	-	-	1	41
2		-	8901	1:	1		-		-	-				-		-	1	1
128:1	1,00000	15599 5433	6391 10092	3	1	-	1 -	-		-	-	-	-	-	-	-	1	-
3	Durano	4683	17615	18	7	2	1	-	-	-	1	1	-	-	1	2	-	7
135 ; 3		3308	583	-	-	-	1 -	-		-	-	-	1.	-	-		-	- 50
128 : 1		3039	37078 46456	15 60	14 32	8	9	1	1 -	-	1	-	-	-	1	1	3	2
3	Edmonton Ww -	7483	23463	26	13	1	4	-	-		-	-	1	-	-	-	4	
4		12658	19104 5368	28	5 2	1	2	1 -		-	-	-	-		1:	-	-	
		0400	7785	3	5	-1	1	-	-	-	1 -	-	-	-	-	1	-	1
136:1	Stratford	1		29	10	2	1	-	1	-	-	-	-	-	1:	-	-	1
5		4055	1	103	76	21 2	10	-	7	2	2	5	2	-	1 -	1	-	
1	Leyton WwL	4872	32480	31	26	7	9	-	4	1-	1	-	-	-	-	-	4	
1		-	-	27	15	4	7	-	1	-	-	1	1.5	-		-	1	1
187 :		11761	9869	5	5	1	-	-	-	-	-	-	1 -	-	-	1		
189:		1		1	3	2	1		-	-	-	-	-	-	-	-	-	
	Ilford	8498	7645	5	4	1	3	-	-	-	-	-	1	-	-	-	-	
	Barking Town	4127	9208	13	12	1 6	1	-	-	1 -	-	-	1 -	1. 1	-	1 -	-	1

^{*} The parts of sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone suldistrict, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone suldistrict; 39:3, Esher sub-district, except the parish of Esher (pop. 1263); 41:1, Brominy sub-district, except the parish of Schadam as Knockholt (pop. 1518); 41:2, Chisiehurst sub-district, except the parish of Chelsfield (pop. 47); 135:1, the parish of Northawn in Hatele sub-district; 187:1, (Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 43:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 13th December, 1890.

	Area			L RATE			The Da	ATH	e regi	store	d in t	the W	eek:	inelud	le	
GREATER	in Acres, including	Estimated Population.		O living.	DEATHS	Deat	ths of				Deatl	as fro	m			ublic
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violance.	Deaths in Pul
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9,	10.			<u> </u>	11.		
BATER LONDON	448,331	5,758 500	23.5	2.6	2261	476	631	_	131		51	39	23	15		46
INNER LONDON . OUTER RING .	77,410 370,924	4,4 21,661 1, 336,839	21·1 18·5	2.6	1787 474	354 122	491 130	-	92 29	3)	45	27	13	12	61	45

Nors.—The area of Greater London is 443,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 5 700 522 square miles, which is equivalent to the area of a circle having a radius of 14 933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

	POPULATION	DATE			ANNUAL	D	EATHS	FRON	ri Prin	ES.	ZYMO	
CITIES.	(enumerated or estimated).	OF RETURN. Week ending	BIRTHS.	DEATHS. of Stillborn.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeal Diseases.
ALCUTTA OMBAY IADRAS ARIS EUSSELS IN SERUDOURGS.) METERDAM OTTERDAM OPENHAGEN TOCKHOLM HRISTIANIA PETERSBURG ERLIN	433,219 { 773,196 398,777 { 2,260,945 477,238 406,302 203,486 156,497 312 387 236 350 143,300 924,466 1,547,533	October 11 November 18 October 24 " 81 December 6 November 29 " 29 " 29 December 6 November 29 December 6 November 29	305 354 351 1211 281 301 180 97 199 148 73	199 179 358 282 255 1058 203 153 73 58 122 82 57 432	23.9 21.5 20.1 36.7 33.2 22.5 22.1 19.2 18.6 19.3 20.4 18.0 20.7 24.4	2 4 6 14	1 1 3 1 1 7 6 2 2 5 3 1 4 2	3 5 2 19	2 7 9 9 38* - 6 - 7 4* 4 12	1 1 2 2 5 3 - 5 3	82 72 77 72 65 11 2 3 -	19† 26† 29 41† 42† 49 15 3 8 2 46
AMBURG (State) RESLAU UNICH IENNA RAGUE UDA-PESTH - RIESTE	£91.647 269 250 324 400 298,000 222.176 31 £,425 463,017 160.092	" 29 " 29 December 6 " 6 " 6 " 6 November 20 December 6 November 1	425 187 213 - 560 - 283 95	237 97 162 173 862 153 238 67	20°9 18°8 26°4 30°2 23°0 25°4 26°7 21°8 23°9	2	3 5 8 . 1	3 1 7 1 8 5 7 -	3* 9* 8* 5* 11 4 16 2*	10 2 - 2 3 - 2 -	4 4 2 - - 3 2 -	23 22 11 8 16 18 2 12 1
DEIN (10 days) BRICE	\$14.827 156.800 \$74,838 231,396 1,617.997 871,852 1,004,277 500.343 254,000	October 10 November 29 October 30 " 30 November 22 " 22 " 22 " 22 " 29 ", 15	71 384 152 - - - -	583 333 359 163 145 160	28°2 64°8 29°0 18°4 19°7 17°6 17°5 16°6 32°9	19	13 1	10 5 9 1 1 -	5* 5* 2* 29 19 14 10 8 2	7 4 - 1 2 1	11 12 7 12 4 5 7 3	78 40 8 2 12

Including deaths from croup.
 Including 3 and 2 deaths respectively from cholera in Calcutta, and 7 and 2 respectively in Madras.
 Including 10 deaths from malarial fever.

TABLE 9 -METEOROLOGICAL OBSERVATIONS taken at the ROYAL USSERVATORY, GREENWICH, during the Week ending Saturday, 13TH DECEMBER, 1899.

[Under the Superintendence of the Astronomer Royal.]

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS AND DEATHS IN LONDON

AND IN

TWENTY-SEVEN OTHER GREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 51. 1890. Vol. LI.] WEEK ENDING SATURDAY, DECEMBER 20. [Price 12d.

General Register Office, Somerset House, 22nd December, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 25·1 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	ending				,	Weeks	ending	
Towns.	Nov. 29.	Dec.	Dec. 13.	Dec. 20.	Towns.		Nov. 29.	Dec.	Dec. 13.	Dec. 20.
Birkenhead	18.4	26.8	23.8	27.8	Liverpool -	-	18:7	24.7	21.9	26.9
Birmingham	18.4	21.0	18.5	21.8	London -	-	18.0	20.4	21.1	26.0
Blackburn -	21.1	20.3	20.3	25.7	Manchester				27.2	
Bolton -	21.6	27.9	26.1	27.0	Newcastle-on-Ty					
Bradford -	16.5	16.7	19.7	18.6	Norwich -	-			23.5	
Brighton -	19.0	16.0	25.7	22.3	Nottingham	_			18.5	
Bristol -	16.2	21.1	22.5	21.6	Oldham -				19.5	
Cardiff -	19.2	22.3	12.9	29.4	Plymouth -	- 1			23.2	
Derby -	15.0	17.1	16.5	16.0	Portsmouth				21.2	
Halifax -	21.6	29.9	26.7	26.7	Preston -	_			33.2	
Huddersfield	21.6	21.0	17.7	26.0	Salford -	-		النظاالعنسة	18.9	
Hull -	18.8	12.7	15.6	16.1	Sheffield	-	19.4	23.7	27.4	25.2
Leeds -	19.2	21.6	20.8	22.9	Sunderland	-	16.8	26.4	23.3	19.9
Leicester -	19.9	19.9	16.2	15.2	Wolverhampton	-	20.6	18.8	20.6	21.9

The highest annual death-rates, measured by last week's mortality, were:—from measles, 1.9 in Sheffield, 2.0 in Birkenhead, 2.2 in Cardiff, 2.7 in Manchester, 3.2 in Salford and in Oldham, 3.6 in Bolton, and 4.5 in Preston; from searlet fever, 1.3 in Liverpool; from whooping-cough, 1.3 in Halifax, 1.4 in Birmingham, 1.5 in Birkenhead, and 4.0 in Preston; and from "fever", 1.3 in Halifax and 1.5 in Sunderland. The 51 deaths from diphtheria included 32 in London, 4 in Birmingham, 5 in Salford, 2 in Manchester, 2 in Liverpool, and 2 in Birkenhead. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 2199 births and 2206 deaths were registered. Allowing for increase of population, the births were 427 below, while the deaths exceeded by 437, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18.0, 20.4, and 21.1 in the preceding three weeks, further rose last week, under the influence of the cold and fog, to 26.0. During the past twelve weeks of the current quarter the death-rate averaged 20.2 per 1000, exceeding by 0.5 per 1000 the mean rate in the corresponding quarters of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 64310.—12. 635.—12/90. Wt.

The 2206 deaths included 100 from measles, 14 from scarlet fever, 32 from diphtheria, 53 from whooping-cough, 16 from enteric fever, 13 from diarrhea and dysentery, and not one from small-pox, typhus, ill-defined forms of continued fever, or cholera; thus, 228 deaths were referred to these diseases, being 4 below the

corrected average weekly number.

No death from small-pox was registered, the corrected average being 8; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had been 91 and 92 in the preceding two weeks, further increased last week to 100, and exceeded the corrected average by 27. The 14 fatal cases of scarlet fever were fewer than those recorded in recent weeks, and were 21 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1752 scarlet-fever patients at the end of last week, the numbers on the preceding six Saturdays having decreased from 2122 to 1802; 108 cases were admitted during the week, against 151 and 125 in the preceding two weeks. The deaths from diphtheria, which had been 48, 41, and 45 in the preceding three weeks, declined last week to 32, but exceeded the corrected average by 9. The 53 deaths from whooping-cough were nearly double the number recorded in the previous week, but were 4 below the corrected average. The deaths from diarrhea and dusenteru. which had been 4 and 12 in the preceding two weeks, numbered 13 last week, and were 2 below the corrected average.

The deaths referred to enteric fever, which had been 16 and 13 in the two preceding weeks, increased again last week to 16, being, however, 3 below the corrected average. The Metropolitan Asylum Hospitals contained 167 cases of enteric fever, and one of typhus, on Saturday last; 16 cases of enteric fever were

admitted during the week, against 16 and 17 in the preceding two weeks.

One death was primarily attributed to "influenza."

The deaths referred to diseases of the respiratory organs, which had been 444 and 487 in the preceding two weeks, increased last week to 753, exceeding the corrected average by 283.

The age of a widow, whose death occurred in Wandsworth Union Infirmary,

to which she had been admitted from Putney, was stated to be 100 years.

Different forms of violence caused 71 deaths, concerning all of which inquests were held. Of these 71 deaths, one was a case of suicide, while the remaining 70 were attributed to accident or negligence. Four of these were caused by horses or vehicles in the streets, 14 by burns or scalds, 2 by poison, 3 by drowning, and 23 (including 21 of infants aged under one year) by suffocation.

The death of a hair-sorter (female), aged 22 years, which occurred in the London Hospital to which she had been admitted from Whitechapel, was referred, after inquest, to "sudden syncope supervening on anthrax transmitted from cow-hair

" while sorting, accidental," Post-mortem.

GREATER LONDON.

In Greater London 2877 births and 2758 deaths were registered, corresponding to annual rates of 26.1 and 25.0 per 1000 of the estimated population. In the Outer Ring 35 deaths were referred to measles, 7 to whooping-cough, 6 to "fever," 6 to scarlet-fever, and 5 to diphtheria. The deaths from measles included 17 in West Ham, 3 in Leyton, 4 in Hayes, and 3 in Chiswick sub-districts. Three deaths from scarlet-fever were registered in West Ham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 29.58 ins.; the highest reading was 29.88 ins. at the beginning and end of the week, and the lowest 29.04 ins. on Friday morning. The mean temperature of the air was 26°.9, and 13°.6 below the average in the corresponding weeks of the 20 years ending 1868. The mean was far below the average throughout the week, the daily deficiency ranging from 10°.6 to 18°.0. The general direction of the wind was North Easterly, and the horizontal movement of the air averaged 1.3 miles per hour which was 5.6 miles below the average in the average of the second of the wind was 1.6 miles below the average in the average of the second of the wind was 5.6 miles below the average in the average of the second of the wind was 5.6 miles below the average in the average of the second of the wind was 5.6 miles below the average in the average of the second of the wind was 5.6 miles below the average in the average of the second of the wind was 5.6 miles below the average in the average of the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the corresponding the second of the wind was 5.6 miles below the average in the corresponding the second of ·3 miles per hour, which was 5 6 miles below the average in the corresponding weeks of 16 years. Rain or melted snow was measured on four days of the week, to the aggregate amount of 0.63 of an inch. No bright sunshine was registered during the week.

90
18
2.0
pe
8
S
h December 1890.
th.
0
300
di
18, during the Week ending 20th
×
ee
*
9
th.
51
ä
2
P.
100 N
*
0
2
3
88
5
00
34
Ë
×
90
7
×
0
=
S
1
ğ
10
HS, and METEOROLOGY in 28 GREAT TOWNS, during the
TA
M
D
18,
103
8
IRI
BIRT.
-BIRT
3 I BIRTHS, DEATHS, and

,		-	-		-	-	-				_	_																					
	CITIES	AND BOROUGHS.		Cols.	- 28 TOWNS.	LONDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	Northwent w	DEBBY.	BIRKENHEAD,	LIVERPOOL.	Rollon.	MANCHESTER.	SALFORD.	BLACKBUDE	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	HILL.	SUNDERLAND.	NEWCASTLE.	CARDIFF.	EDINBURGH.	GLASGOW.	DUBLIN.	-
	KAINFALL.	Centi-	n l	24.	12.40	1.60	1	1.01	4.70	07.1	1.01		0.61	1	1	0.23		•			1	1	1	90.0	1	1 . K	0.52	0.38	1	0.55	1	69.0	
	KAIN	nehes.	ıı uı	23.	4.88	0.63	1	75.0	1.85	19.0	0.42		0.50	3.	1	12.0	1	1	1	1 1	1	1	,	0.05	2	1 0.0	0.10	0.15	1	01.0	1	0.57	
AIB.	8n.	.sharg	itneU	22.	-1.45	-2.84	1 7	68.11	19.1	-2.73	-3.17		-2,05	8	1	7.62	1	1	1	, ,	1	,	1	00.1-	1	1.67	F6.0	19.1-	4	0.26	1.	1.61	
OF THE	Mean.	·3iedne	F'ahre	21.	4.62	- 6.92	1 8	9.87	34.9	27.1	50.3	1	28		3	- 1.63	1	1	,	1 1	1	ı	1	- 2.08	1	1 000			a .	33.0	1	34.9	-
TEMPERATURE OF THE AIR.	.1	LOWes	heit.	20.	14.5	1.91	-	0.02	0.97		2 0	1	17.4		1	6.91	1	1	1	1 1	1	1	1	3 2.02	ı	0.41			_	10	1	21.1	
EMPER	.33	недзіН .	Fahrenheit	19.	46.0 1	33.1		27.5	42.4		34.0 T	1 1	0	à	1	1 8.17	1	8	1	, ,			1	37.2 2(1	1 0.88				41.9 22.	1	43.3	And by Jane
P00099	ding	ni sesa .21-3 .	1981([18.	2.7		8 i i		-	1.3	-	7.0		0.0	0.0		4.0	4.9	00 00	7.6	4.11	9.0	80		63	3.4			67	1.5 41	2.6	00	spanic married
Annual Kate per 1006,	corresponding to the Week's Deaths	.89sus mo:	EO	17.	25.1	0.93	25.0	26.8	28.52			21.8					27.0		25.2				8 2.93			2.92	_		59.4	24.4	24.5		and distribution of Persons
¥-	l,diss	ohidroon o(I to sos	ne .	16.	110 2	4	1 -	4 67	63	67 6		2 -	1 2 1	16	- 27	MODELE IN	65	Street gas and	200	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100000	2 26	20		n. A copyridate		_		53		-		-
	.81	risathse(Public scitutits	u:	16.	786 1	498 1	67 6	1 63	1	14	•	202	11.	63	41		6.1			9 0		00	4		-	8 10		1 00	10			65 22	Name and Address of
		asU teen risdtse	- 1	14.	318	164) 41	1	භ ව	0 6	- F2	1 20	49	47	16	63	24	9 ,	4 L	•0	.01	-	10	10	ලට 1	0 4	e co	6		gt.o	9	TO STATE STA
ade	-	.95£6	ViolV	18.	140	71 1	H 1	1	1	1 -	4 0	10	1	1	ı	12	67	6	67 6	n 1	60	61	64		63	-i 1	- c	4 3	10	67	00	90	-
The Drarms registered in the Week include		rrhoss.	BiG	12.	39	13	1 1	1 1	p-1	-	1 1	٦ ،	67	г	1	63	-	4		1 -	1 60	1	ı	6.1	67	1	1 1	00	1	6.1	67		Const Constant
he We		.19	Fer	11.	47	16	1 1	H	1		-	1 1	63	1	1	4	-	Н	eo (1 1	6.1	-	67	67	₹1	-	1 4	1 1	1	1	-	4	Section 16.
red in t	from	ooping-	co M.P.	10.	107	55		٠ ا	1	<u>ا</u> ا	1 0	77	,	1	63	<u>L</u> o	-1	70	H	1 1	00	1	67	67	H	ಸರ	I =	1 6	1	H	7	-	- waterman
egister	Deaths from	.sirədid	Dip	9.	51	32	1 -	- 1	1	1 1	1 1	4 1	1	1	67	63	1	22	100		1	1	ı	1	1	H	1	-	1	1	10	Н	
ATES		rlet.	Sea.	00	51	14	1 1	1	1	1 1		1 13	63	!	-	12	-	4	67	1 -	1 &	1	н	61		တ	1 -	٠,	- 1	-	L		
The Dr		sejes.	Mes	-	216	100	C1 I	1 1	-	න අ	9 .	1 1	ಣ	1	4	60	00.	20	12	ۍ ه 	0 0	1	-	1	00	12	- 1	ı	10	c1	4	1	-
		.xoq-lla	sm8	9	1	1	1 1	1	1	1 1		1	1	1	1	1	1	1	1	1	1 1	1	1	1	1	1	1 1	1	1		1	1	-
	0	Tears Years Towards	09	2	1248	631	16	11 22	15	38	00	17 20	26	.00	14	69	=	48	24	15	25	14	12	22	203	31	2 -	1 27	13	40	10	500	- Conspication
		nts under fear of Age.	I Y I	4	938	414	70 0	14	12	10	o i	10	20	10	11	62	13	47	23	150	07 07	00	0	12	60 60	36	100	1.4	180	23	47	29	PERCYASIONAL PARTY AND
during	ending,	44		80	4681	2206	53	49	43	96	00 00	195	346	51	99	216	09	232	117	74	104	47	42	98	160	161	59	08	99	127	249	191	The same of the sa
Registered during	the Week ending 20th Dec., 1890.	Riorns Drama	X BO	67	4926	2199	56	36	41	83	745	236	06	44	53	300	19	203	134	99	47	43	39	112	227	189	120	123	87	182	347	170	
-	Z .	middle of the Year 1890.*		1.	9,715,559	4,421,661	123,659	142,952	78,780	232,248	83,406	461,865	244.909	100,871	105,049	613,463	115,846	879,437	242,509	146,716	105,163	94,253	82,034	240,515	363,799	232,837	126.506	162,987	117,012	271,185	630,208	353,082	
-	1		-	Cols.	•	٠				* 5	401		•		•	•		٠	•		•	- +0		•	•				•	•		1	
	CITIES	AND BORUUGHS.		0	28 TOWNS	NDOW	. мотны	RIBMOUTH.	- HINOMI	TOTSI	OLVERHAMPTON	BMINGHAM	TUESTER .	BBY .	RKENHEAD	VERPOOL .	LION	NCHESTER	LFORD .	DHAM .	ESTON .	TUDERSFIELD!	LIFAX -	ADFORD	RDS .	EFFIELD -	8	WCASTLE -	RDIFF -	INBURGH -	ASGOW *	BLIN	Management Committee of the Committee of

+ The recent extension of this horough will not be taken into account in the Weekly Returns until 1891. · See note on first page of this Return.

3 E 2

Table 2. LONDON.—Births and Deaths Registered in the Fifty-first Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
Total Births Males Females .	2059	2467	2728	2579	2631	1965	2075	2406	2655	2513	2625·6	2199
	1024	1223	1456	1307	1329	1057	1040	1200	1368	1267	1338·1	1140
	1035	1244	1272	1272	1302	908	1035	1206	1287	1246	1287·5	1059
Total Deaths Males Females .	1242	1655	2019	1609	1595	1408	1570	1502	1802	1816	1763·5	2206
	635	793	995	828	823	720	748	732	887	909	830·0	1059
	607	862	1024	781	772	688	822	770	915	907	888·5	1147

^{*} The numbers in this column are the average weekly numbers in the fifty-first weeks of the ten years 1880-89, raised by 9.046 per cent, for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

TABLE 3. LONDON.—L												WEEL	-
	Sept. 27.	Oct.	Oct. 11.	Oct. 18.	Oct. 25.	Nov.	Nov. 8.	Nov. 15.	Nov. 23.	Nov. 29.	Dec. 6.	Dec. 13.	Dec. 20.
TOTAL Births	2458	2433	2409	2412	2512	2295	2173	2321	2206	1980	2240	2293	2199
TOTAL Deaths	1458	1413	1472	1741	1649	1817	1734	1709	1716	1527	1733	1787	2206
Ages at 20-20 years - 20-40 ,, - 40-60 ,, - 60-80 ,, - 80 years & upwards	740 182 236 256 44	726 170 223 253 41	747 180 240 254 51	870 204 316 281 70	835 200 264 296 54	827 206 336 372 76	785 222 831 318 78	758 239 296 343 73	789 226 283 350 68	662 207 277 300 81	758 205 317 372 81	767 210 319 391 100	899 257 419 515 116
,, {Under 1 year - 1-5 5-20	429 207 104	433 193 100	496 213 98	491 260 119	429 306 100	413 303 111	393 283 109	392 257 109	369 308 112	296 266 100	362 296 100	354 304 109	414 384 101
Deaths from Small-pox ,, Measles , Scarlet fever ,, Diphtheria - ,, Whooping-cough ,, Typhus ,, Enteric fever - ,, SimpleContafever	1 22 16 38 29 -	20 28 18 24	38 20 38 29 24	59 20 41 30 - 21 2	70 29 23 28 15	95 16 26 19 -	74 23 50 20 -	63 15 29 25 1 24	76 26 37 33 -	76 27 48 15 -	91 23 41 28 1 16	92 30 45 27 - 13	100 14 32 53 - 16
,, ,, Diarrhœa and Dysentery -}	86	105	94	75	55	43	26	19	11	16	4	12	13
,, all the above- mentioned Diseases	218	229	246	250	221	225	222	177	206	196	204	219	228
,, Dis. of Respira- tory System } ,, Phthisis - , Dis. of Circula- tory System }	222 130 104	262 123 100	197 147 123	340 204 144	417 189 151	450 189 156	465 158 141	465 174 139	459 184 134	375 151 130	444 189 167	487 161 157	753 203 200
Violent Deaths Inquest Cases Deaths in Public Institutions	52 103 37 7	61 107 335	49 113 346	52 123 397	50 114 382	57 119 395	65 148 432	55 131 410	56 109 426	64 127 404	55 121 408	61 143 426	71 164 498
TEMPERATURE OF THE AIR Nean Mean of Highest readings Mean of Lowest readings	58·8 69·2 50·9	56·7 66·3 49·3	54·3 64·1 45·5	47·7 56·5 39·8	48·2 54·4 43·2	43.6 50.4 36.3	45·2 51·7 39·0	44·5 52·4 37·3	50·0 54·0 45·1	34·3 39·8 28·9	35·3 39·0 30·4	30·6 33·7 27·1	26·9 30·6 22·1
Humidity of the Air Rain-fall in inches Registered Sunshine (in hours)	89 0·31 24·9	76 00·0 36·9	82 0·33 36·5	82 0·20 16·0	83 0·45 8·8	85 0·23 12·6	82 0·77 16·4	\$8 0·28 16·2	90 0·19 3·1	82 0·18 0·8	87 0·09 2·8	91 0·00 1·0	0.0 0.63 00

METEOROLOGICAL OBSERVATIONS. (See Table 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartnup, Esq., F.R.A.S., Herverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford: Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.B., G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Neweastle-on-Tyne.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different Causes in the Fifty-first Week of the Year 1890.

		_				-			CCI	of the Year 1890.		· · · · · · · · · · · · · · · · · · ·	collino anno A	MRCC INC	and the same of	earliero.		CONTRACTOR	STATE OF THE PARTY
	for the	Sa	turda	ay, 20	oth I		nber		-		for the	Sa	turd	n the)th L	ecen	aber	189.)	· CONSTRUCTION
			De	tl	he A	erso.ges	118 01				ted Averages Veeks of the 10 1880-89.*		D	eaths tl	he A	ersoi ges	19 01		1
	of the 1		U	Inder		40.	60.	80.	впи	CAUSES OF DEATH.	of t 0-89		1	Inde	.	40.	60.	360	2
CAUSES OF DEATH.	A 88		-	20.		under	under 60	under	18.	1	eks 188	. 83		20.		under	under	under	B.E.d.
	Wee	AGES						d ur	o Years upwards.		We	AGES.					1 un		Years
	Corre	ALL	0-1.	1-6.	5-20	20 and	to and	60 and	dn up	\	Corrected 51st Wee	ALL	0-1.	1-5.	5-20	20 and	40 and	on and	X no
	10 - 1	1	-		1 2	1 24	1	1	-		10 1	1 4	1		10	64	41	-6	-
ALL CAUSES	1768*5	2206	414	384	101	257	419	515	116	Diseases of Organs of	2.4	6	1	1	2	_	1	1	
(Vaccinated; -	2.0	-	-	-		-	-	_	-	Special Sense † 5				-				_	-
Small- Unvaccinated	2.7	-	-,	~	-	-	-	-	-	Diseases of Circulatory }	133 4	200	-	1	7	20	75	-90	7
No Statement	3.6	100	13		8	-	-	-	-	System}		-	!	-	_	-	-		
Measles Scarlet Fever	72·5	14	-	79 11	3	-	- T	-	_	Croup	16.0 298.7	7 466	1 94	6 76	4	19	71	165	37
Typhus	0.7	-	-		-	-	-	-	-	Pneumonia	109.9	195	39	53	6	27	45	24	1
Relapsing Fever †	0.0	1	-		-	7	1	-		Other Diseases of Respi-	40.5	74	9	13	1	3	25	19	4
Influenza	0°0 56°7	53	12	40	1	4	-	-		,		-		_					
Diphtheria	23*4	32		21	10	1	-	-		Dentition † Quinsy, Sore Throat † -	13°6 2 4 7°5	17	11	6	ī	ī	ī	-	-
Simple Continued and Ill-defined Fever	1.3			-	**	-	-	-		Peritonitis	7.7	13	1	2	3	5	3	-	2
Enterie Fever	19.0	16	-	2	5	8	-	1		Diseases of Liver - Other Diseases of	22.6	26 41	11	1 2	2	6	13	6	1
Cholera and Chol. Diarr. Diarrhea, Dysentery	0'0	13	7	1	-	-	1	2	2	Digestive System -}			-						
Remittent Fevert	0.4		-	-	-		-			Diseases of Lymphatic)	1.0	5	1				2		
Hydrophobia	0*2	П	-	-	-	-	_		-	System & of Ductless Glands † }	. 1.5	,	1		_		٠,	2	
Glanders Cowpox and Effects of }	0.0		~					-		Diseases of Urinary)					-			-	-
Vaccination † Venereal Affections -	9.8	8	7		_	1	_	_		System}	44.4	42	-	1	2	7	11	19	2
Erysipelas	6.9	7	1	-	_	1	1	4		701	-		-		-			-	-
Pyzmia and Septiczmia †	3.2	3	-	-	1	1	1			Diseases of Generative System	6.0	8	-	-	-	5	3	-	-
Puerperal Fever Other Zymotic Diseases †	8.1	9		_	_	8	1	_	I	Accidents of Childbirth	3.2			-		3			
Other 23 House Discussos (-		-				Diseases of Locomotive	8 9	2	-	1	1	-	~	-	-
Thrush Worms and other Para-)	1.9			-	-			-		(S) (S) (S) (S) (S) (S) (S) (S) (S) (S)		-	-						194.00
sitical Diseases}	0.8			_	-	~		-		Diseases of Integumen-	7.7	5	1	1	-	-	-	2	1
Starvation, Want of	010	1	1									-	-						-
Breast-milk † }	3,0	6	^	-	-	Ī		-		VIOLENT DEATHS.§									THE PERSON NAMED IN
Alcoholism	4.3	-		-	_	1	4	1	E	(ACCIDENT.)	1								
Rheumatic Fever,	9.3	7	٨		1	2	1	2	1	Fracture and Contusion Gunshot Wound	21.9	23	1	1	3	4	3	10	1
Rheumatism of Heart† \(\) Rheumatism \(\)	2.0	4	-		-	-	-	4	_	Cut, Stab Burn and Scald	0.2 7.7 2.0	14	1	6	2	1	1	3	
Gout	3.5	7		-	-	-	3	4	2	Poison	4.8	3	-	-	1 5	8	1	7	
Rickets †	53.8	2 65		2	1	3	33	27	-	Suffocation	16.9 2.3	23 5	21 2	1 -	1 1	1		1 2	- 0
Tabes Mesenterica -	20.7	21	11	8	1	1	-	-	-				-	-					
Tubercular Meningitis - Phthisis	24.1	14	H	10	3	1	-	17	-	(HOMICIDE.)	710								
Scrofula, Tuberculosis -	165°3	208	7	7 9	16	94	63	17		Murder & Manslaughter	1.0	-	-	-	-		_		_
Other Constitutional Diseases † }	12'5	11		1	-	4	5	8		(Suicids.)	1.								ICM THO
)						-	-			Gunshot Wound Cut, Stab	0·1 2·8	~	-	-	-	-	-	-:	
Premature Birth	37.5	40	40	-	~	-	-	-	-	Poison	1.6	1 -	=	-		-	1	-	- 1
Atelectasis † Congenital Malforma- }	5.8	1	1 5	-				-		Hanging	0.5	-	-	-	-	-	-	-	-
tions	59.2	6 71	-	1	-			23	43			-	-		-				
			-			-				(EXECUTION.)	1		-						
Apoplexy	46.8	50	-	-	1	4	14	25	6	Hanging	0.1	-	-	-	-	-	-	-	-
Epilepsy Convulsions	-50.9	13 45	41	4	2	3	5	.8											- 4
Other Diseases of Brain and Nervous System	92°7	98	20	8	9	9	15	82	5	OTHER CAUSES †	-63*7	58	48.	8	-	1	-	1	-
and Morrous Dyslem)		1	1	1	1		1					1	_]		-	-		OWEN.

[•] The numbers in this column are the average weekly Deaths for the ten years 1880-80, raised by 9'046 per cent, for increase of population.

1 As the ten years average could not be correctly ascertained, the average for the eight years 1831-9 has been used.

1 Those cases of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

5 The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of accident, murder, manulaphter, or suicide. All such cases are classed under "accident or negligence."

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

											-		auri	ng t	16 1	CUA	CHU	8
							The	DEA	THS:	regist	ered i	n the	Weel	r inel	ude			
	Enume-			Deat	bs of					Death	ıs fro	m						
REGISTRATION	rated			-	60 d.					cough.	[rer.	2				Public ons.	Causes
SUB-DISTRICTS.	Popu-	Вівтня	DEATER	under f Age.	Regar			Fever.	eg.	2-601		(or Fe	Con- Fever	:		Cases	in Plans	d Ca
,	1881.			0	11.8 S	-pox	les.		theri	oping	1113.	rie	ned J	rhæs	enoe.			rtitie
		Total	Total	Infants	Persons Years	Small-pox.	Measles	Scarlet	Diphtheria	Whooping-	Typhus.	Enteric (or Typnoid) Fever	Simple c	Diarrhœa	Violence	Inquest	Deaths	Uncertified of Death.
distance of the second						-02	=	-	-	-			-					-
LONDON · · ·	3,815,704	2199	2206	414	631	-	100	14	32	53	_	16	-	13	71	164	498	14
WEST DISTRICTS	669,688	310	371	57	130	-	13 17	1 8	11	11 10	-	3	-	4	6 20	16 39	83	1
NORTH DISTRICTS -	905,947	128	139	87 24	141	-	4	-	3	-	-	-	-	~	7	16	45	1
CENTRAL DISTRICTS	692,738	486	434	78	111	-	28 88	1 4	8	3 29	-	6	-	3 2	20 18	57 36	129	12
SOUTH DISTRICTS - METROPOLITAN HOSPITALS AND	1,265,148	827	768 20	168	214	-	-		-	-	-	-	-	-	-	-	-20	-
TION LONDON		-		-	-			-		- Street,	7-9-			-	~			
WEST DISTRICTS. St. Mary Paddington WHH G.J. & W.M.	69888	30	33	6	10	-	-		-	-,		-	-	-	1	6 2	6 5	-
St. John Paddington H - W.M.	87380 190141	10 40	18 65	9	24	-	-	-	1	1	-	-	-	2	-	1	19	-
Brompton H - W.M. & C.	43010 7509	15 4	21	3,	9		-	-	-	-	1 =	-		-	ĩ	- 2	- 5	-
St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J. Fulham Www	64340 42900	43 49	58 45	9 13	13 12	-	7	ī	1 -	5	-	-		-	1	3	10	-
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea North HHH - C.	15049 42683	16 20	5 20	2 -	12	=	1		- 2	- 3	-	1	-	-	1-4	1	7 3	3
Chelses South Alan	30396 80353	18	16	4	6	-	-	-	-	-	-	-	-	-	7 1	-	10 8	-
Belgrave WHHH C.	59220 35496	21 20	27 12	2	5	-	1 3	-	-	-	-	-	-	-	1	1	3	-
St. Margaret Westminster H - C. St. James Westminster WHH N.R. & G.J. N.R.	24679 29941	5 7	14	2	6	-	-	-	-	7	-	-	-	-	-	-	2	-
St. Anne Sono HHHHHH	16608	6	4	1	2		-											
NORTH DISTRICTS. All Souls Marylebone HHHHH W.M.	26759 14891	12	17	4	4	-	Ξ	-	-	8	-	7	-	1 1	2	2	7 - 2	-
RORTH Districts All Souls Marylebone HHHHH W.M. Cavendish Square HHHHH - W.M. Rectory Marylebone W - G.J. & W.M. St. Mary Maryleb, HHHHH G.J. & W.M. Christchurch Marylebone H - W.M. 8t. John Marylebone H - W.M.	24809 21118	10 18	10 9	1 4	5 2		-	-	ī	ī	-	-	-	1	2	2	1	
Christehurch Marylebone H - W.M. St. John Marylebone H - W.M.	83700 33638	6 10	13	3	5	-	-	~	-	-	-	1	-	-	-	-	-	-
Hampstead WwHHHH- N.R.& W M.	45452 89115	20 12	28 12	3	10	-	_	2	-	-	-	-		-	1	1	6	-
Regent's Park Paneras H W.M. Tottenham-court wHHHH N.R.&W.M. Gray's Ina Lane HHH - N.R. Somer Town HH - N.R.	27729 30247	10 13	30 14	2 8	10	-	-		2	-	-	1	-	111	1 1	1	13	
Camden Town WH N.R.	84369 17811	15 10	19 18	5	9 9	-	1 1	-	**	2	-	1		1	2	2 4	11 2	-
Kentish Town W N.R.	87487 67946	55 49	35 55	12	22 15	-	3	-	_	3	-	3	٠-	1	2	3 3	24	-
Islington South-west N.R.	100976 61835 52048	49 30 22	46 27 28	8 7	6 4		2	1	1	=	7		1 -	-	1	3 3	-	-
Stoke Newington H N.R.	22781 9277	12	8 4	2	2	-	-	ī.		-		-	-	-	Ξ,	-	1 4.	-
Stamford Hill West Hackney H Hackney Warmer - E.L.&V.R.	87610 76911	14 49	13	2 11	16	-	9	4	7	-	-		-	1	3	5	23	-
South Hackney E.L. CENTRAL DISTRICTS.	39883	18	18	8	6	-	1		-	1	-		-		ازر	1		
St. George Bloomsbury N.R. St. Giles South WH N.R. St. Giles North H N.R.	16681 14864	1 13	5	1	2 5	-	-	-	-	-	2	-		_		-	6	-
St. Giles North H N.R. St. Martin-in-the-Fields HH N R. & C.	13837	3 8	13	4	1 2	-	-	-	-		-	-	-	-	2	3	5	
St. Mary-le-Strand H N.R. N.R.	7515 8559	1 2	3	-	1	-	-	-	-	-	-	-	-	-	ı̃.	2	3	-
Strand Union Workhouse, Lamenton W.	18671	5	17	3	1	-	2	-	2	-	-	-	-	-	1	4	11	-
St. Andrew Eastern W - N.K.	10706	6 13	5 7	1 2 2	-	-	-	-	-	-	-	-	-	-	1 ~	1 ~		-
Amwell Clerkenwell N.R.	17516 19281 14773	9	15	8	2	=	-	-	-	-	-	-	-	-	1	8	-	
Pentonville N.R. Goswell-street H N.R. Gid-street H N.R. N.R.	17508 11541	14	5	1. 3	-	-	ī	=	-	-		-	-	=,		-	1 1 0	1
Whiteeross-street - N.R.	9411	18 7 1	12 5	1	2		-	-	100	-	-		-	-	-	-	2	-
Holborn Union Workhouse, Mitcham w.	7463	1	2	-	2	-	-	-	-	-	-			-	-1	1	2	
Cripplegate - N.R.	7198 5353	8	14	-	2 8		ī		-	7	-	=	-	-		ĩ	13	=
St. Bride W N.B.	18666	1	1 3	1	1	-	-	=	-	-	-	=	-	=	1	ī	-	= :
Broad Street H N.R.	5652	1	1	-	-	-	-	-	-	-	-	-	-	-	1 -		1	-

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, nam.ly: W—Workhouse; H- Hospital; L-Lunatic Asylum; L*-Private Lunatic Asylum; in which paupers are received; w—Workhouse Establishment receiving immates from other Dustriets tand that in which it stands. The Roman capitals signify the Water Companies which supply the different sub-districts—G.J., signifies Grand Junction Company; W. M. Wost, Middlesex; C. Chelsen; S. Southwark and Yauxhall; L. Lambeth; N. E. Now River; E. L., East London; and K., the Kent Company.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-district turday, 20th December, 1890.

turday, 20th December, 1890.			11							, 1	9							-
				-			Th	o DE	ATHS	regist	tered	in the	Woo	k in	siude			
DTGIAMD + MICON	Enume-			Dea	ths of					Deat	hs fro					1	1,00	
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1881.	Total BIRTHS.	Total DEATHS.	Infants under 1	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Searlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enters (or Typhoid) Fever.	Simple con-	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Fublic Institutions.	Uncertified Causes
EAST DISTRICTS. noreditch South HL* - N.R. oxton New Town N.R. oxton Old Town N.R. skerston WH - N.R. & E.L.	22343 29937 28036 46275	5 14 13 36	10 20 11 37	3 3 3 8	7 8 13	1111	1 - 3	1111			1111	1.11		1	1 1 1	1 2 2	2 .8 .14	1111
ethnal Green North H E.L. ethnal Green South E.L. ethnal Green East WHL^* - E.L.	51157 34399 41405	58 27 30	22 17 55	5 3 4	1 3 21	-	1 -2	-	1	1		1		111	1 3	2 2 5	2 26	-
oitalfields E.L. & N.R. ile End New Town W E.L. hitechapel Church H E.L. & N.R. oodman's Fields E.L. dgate N.R. & E.L.	22585 15478 17490 9713 6102	11 9 17 2 8	10 10 29 1 2	4 2 4	2 8 4	1111	111	11111	1		1 1 1 1 1	11111	11111	. 1 1 1 1 1	5	1 7 -	7 22 -	11111
George's North E.L. John, St. George East W - E.L.	38747 8410	29	21 15	3	2 4	-	2	1	-	-	-	-		- 1	1	2 2	9	-
adwell H E.L. N.R. teliff E.L. mehouse E.L.	10395 16107 82041	6 8 15	18 2 9	4	1 2 4	1.1.2	3		1			111	-	1 1 1		1 2	9	-
le End Old Town West H - E.L. le End Old Town East WwwH- E.L.	879 6 0 676 58	31 42	10 35	11	5 10		3	-	1 -	-				-	2	2 6	7	-
W L^{*} E.L. omley $wwWH$ E.L. plar WWH E.L.	87074 64359 55077	26 54 40	16 46 28	2 10 8	15 11		3 6	111	111	2 -	1 1 1			ī	1 3 1	1 12 7	17	-
SOUTH DISTRICTS. Saviour Southwark WH L. & S. Saviour Southwark S. Int-road S. & L. Tough-road WH S. & L. Tough-road HL L. & S. Inity Newington - S. & L. Mary Newington - L. & S.	13663 . 14999 21381 15953 21318 26672 59555 21623	6 5 14 16 16 19 29 20	14 2 10 12 11 9 28 14	4 3 3 3 1 6 3	2 - 1 3 2 3 8 8	1111111	1 1 2 1	1111111	1111111	1	1111111	1111111	1111111	111111111	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 - 4 - 1	
Olave WH S. & L. Ather Market S. & L. Mary Magdalen W S. James Bermondsey - S. therhithe WH S. & K.	11956 16800 15669 54682 86024	8 13 13 38 21	9 5 9 26 35	3 1 4 6 7	1 1 7 7		1 2	11111	11111	2 1 3	1111	1	11111	1111	2 - 1 2	2 - 1 2	3 1 8	
aterloo-road lat H - L. & S. aterloo-road 2nd H - L. & S. mbeth Church 1st H - L. & S. mbeth Church 2nd W W - L. & S. nnington 1st - S. & L. nnington 2nd - S. & L. xton w - - L. & S. wood W - - L.	15195 16351 19876 39859 45232 85332 62837 19017	9 20 14 21 28 17 24 11	7 13 18 55 17 13 39 6	2 2 4 8 5 2 5 1	1 4 4 16 6 2 12 2	1111111	1 - 1 3 -	1	1 2 1 2 1	1 1 4 - 8 1 -	11111111	1		11111	- 12 - 1	7 1 2 1 1 1 1 1 1 1 1 1	11 23 -	1 11111
tt Battersea	54675 52587 86380 28004 18235 25558	39 40 20 22 6 13	27 45 21 20 5 18	8 10 5 5 3	5 16 7 9 1 4	111111	4 1 1 1 1 10		1	1	111111	111111	111111	111111	1 1 - 1	8 4 1 2	11 1 2 -	11111
wich L. & S. L. & S.	5590 59104 71089 50810	2 31 54 39	1 48 38 24	9 8 3	1 18 14 7	-	2 1		1	1 3	7 1 1		-	=	2 1	3 2	21 6	
Paul Deptford & K. Nicholas Deptford K, lenwich West H K, lenwich East WHH K,	76752 7901 21972 24608	59 3 12 20	48 2 11 28	9 1 4	15 1	-	3 1 1	2	1		-	2 -				2	6	1 -
bam H K. H K. wisham WH K. enham H L.	5048 21559 19865 36076	5 22 15	2 12 11 13	343	3 3 5		1 3	1 1 1			-			-	1 1	1 2	13 1 2 2	1
ariton H/I K, olwich Dockyard K, olwich Arsenal HH K, mstead, West H K, mstead, East W K,	10930 17617 19048 14009 19241	7 14 5 14 28	9 5 13 4 16	1 - 5 2 5	3 1 2 1		3 1 4 - 2		1 1 1 1 1 1	2		-	-			1	1111	1
pital Ships and Camp, Dartford	11111	-	57	111111	2 2	111111	11111		111111	11111	11111	11111			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 2	
le Hill Asylum	-	-	2 2 4 -	-	1 1 3 -		1111	-		-			-	-			2 2 4	
				,		•						1						

Table 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums) Area; Population; Births and Deaths registered during the Week ending Saturday, 20th December, 186

		Area			1	1			The D	EATHS	regist	ered is	a the	Week	neiud		
egis- ration		in Acres,	Enume-			Dea	ths of	1			Death	s from	1				
District	DWGTDMD AFTIGN	inclu-	rated	80	HS.	-	60 ds.	1	}	1	1	1 120	1	1	1		lio
and Sub-	REGISTRATION SUB-DISTRICTS.	ding Tidal	Popu-	BIRTHS	DEATHS	under of Age.	nged o			er.		Whooping-cough				Inquest Cases.	Publis
listrict	SUB-DISTRICTS.	Water	lation, 1881.	BII	DE	of A	s ng	POK.		Fever.	Diphtheria.	ing		086.	*80	t Ca	Deaths in Pullastitutions.
Num-		Fore-	1001			Infants Year	Persons ag	Small-pox.	Measles.	Searlot	hth	door	Fever.	Diarrhosa	Violenes.	ent	athe
hers.		shore.				TE	Per	SZ III	Me	Sea	ia	W	24	Dia	Ž.	Inc	De
LON	DON-OUTER RING	370,924	950,957	678	552	139	163	-	35	6	5	7	6	. 3	13	33	33
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	3	8	1	3	7.	7	-	1	_	-	_	-	-	4
37:1	Godstone (part of) * -	2754	1235	-	1	-1	-	-	_	-		-	-	-	1.0	-	-
38:1	Croydon Ww L -	20851	101241	48	45	10	15			-	, 1	-	-	-	-	3	3
2	Mitcham w -	11697	17982	8	6	. 2	-8	950	GTIB	: 0 + 0	10-0	291			. •	1	-
89:1	Wimbledon HHH -	8220	15950	6	12	2	7		-	-	1	-			1	1	2
2	Kingston WHH Esher (part of) * -	8549 6601	36354 9221	21 10	14	4		- 1			-	-			-	7 -	-
4	Hampton H	4573	18589	3	8	2	2	-	- ,	-		-	-	-	2	2	-
40:1	Richmond WH	2272	21302	10	13	-	8		1	-	-	-	-	-	-	2	3
2	Mortlake +	2941	12331	6 18	8	2	1		, 7		1	1			_		
43:1	Bromley(pt.of)*HHHH Chishrst(pt.of)* WHH	15669 14307	31142 15844	13	4	1	3	- 1	-		1	-	-	_	-	-	1
42:1	Bexley H	13437	24184	18	9	5	1	-	-		-	-		-	-	1	-
2	Dartford (Ww, pts. of)*	-	-	-	-	-		-	-	-	-	-	-	-	-		-
124: 1	Sunbury w	11055	11688	7	7	3	2	-	1	-				. 1	-	1	
125:1	Staines W	13277	12089 10802	9	11	5	5							_		1	
2	Hillingdon WHH - Uxbridge	6029	3225	1	1	-	-	-		-	-	-	-	-	-	-	-
3	Hayes wHL	14587	11528	7	9	1	1		4	-	-	-	-	-	-	. 1	-
126: 1	Isleworth WHH -	7008	22727	12	17	5	8	-	-	-	-	-	-	1	-		2
2 8	Twickenham H-	2477 4345	12479 27649	8	22	8 5	. 7		1	1	_	1			_	1.	1
4	Chiswick	1340	15975	14	12	3.	2	-	3	-	1	-	-	-	-	2	-
5	Acton wH	6088	22876	15	11	2	2	-	1	-		-	-	-	1	2	-
127:1	Harrow H Edgware H	13809 6994	12796 3749	7 8	6 2	1 -	5 2	-	-	-	_	-	_	_	_	-	-
3	Willesden	4383	27458	38	19	2	7	-	2			-	1	1-1	~		-
4	Hendon W	8382	10484	11.	7	2	1	-	-	-	-	~			-	-	-
137:1	Bushey Watford (W, pt. of)* -	9331	6621	3	1	-	1 -				-	-	- 1		-	-	-
128 : 1	South Min.ms	15599	6391	4	3	2	_	-				_	-	_			
2	Barnet	5433	10092	5	6	1	8	-	-			-	-	-	2	2	1
8	Finchley HL	4683	17615	9	8	2	2		-	-	-	-	****	1	-	44	-
185 : 1	Hatfield (part of) * -	8308	583	-	-	-	-		-	-	-	-	-		-	-	
129 ; 1	Hornsey H Tottenham H	3039 4642	87078 46456	26 40	19 82	2 5	7		-	2	-				2	2 5	1
3	Edmonton Ww : -	7453	23468	18	12	1	7	-	-	-	-	-	-	-	2	2	4
4 5	Enfield WH Waltham Abbey	12653 11017	19104 5368	15	6	1 2	1	-	1 ~		-	-	-	Ī	-	_	1
6	Cheshunt H	8480	7735	-	-	-	2	-			-	-			-	-	_
186:1	Stratford	882	28606	21	17	5	2	-	1		-	~	-	-	1	1	1
2	West Ham wHHH - East Ham ww	4055 3296	90347 10708	97	81	21	16 3		17	3		2	1	· -	-	-	1
4	Leyton WwL	4372	32430	31	26	7	5	-	3		-	1	1		1	1	6
5	Walthamstow H -	6520	28869	32	22	9	3	-	1-1	-	~	-	-	-	-	-	- }
187:1	Chigwell (part of) * H	11761	9859	12	6	2	8	-	-		-	. 1	1.	-	-	-	-
189:1	Epping (W, pt. of)* - Remford (part of) * W	6730	3411	4	1 2	-	-		_				-				1
2	llford	8493	7645	4	5	3	1 -	_		-	-	-	-		-	_	1 -
8	Barking Town	4127	9203	10	11	3	8	-	-	-	_	1	1.	-	1	1	

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District when forms the Outer Ring are as follows 39:2, Epsom sub-district, except the parishes of Ashatead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstones district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bronniay sub-district, except the parish of Metadam of Knockholt (pop. 1818); 41:2, Chislehurts sub-district, except the parish of Left parish of Northal (pop. 1818); 41:2, Chislehurts sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Northal sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district (pop. 1818); 41:2, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district (pop. 1818); 41:2, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district (pop. 1818); 41:2, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district (pop. 1818); 41:2, Chigwell sub-district (pop. 1818); 41:2, Chigwe

ABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of MORTALITY during the Week ending Saturday, 20th December, 1890.

	Area			L RATE		1	The De	ATH	regi	stere	l in t	he W	eek i	inelud	e	
GREATER	in Acres, including	Estimated Population.		0 living.	DEATHS from	Deat	ths of			1	Death	s fro	m			Public rons.
LONDON.	tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Snall-pox.	Measles.	Searlet Fever.	Diphtheria.	Whooping-	Fever.	Dierrhoss.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	3.	9.	10.	11.	12.	13.	11.	15.	
ATER LONDON	448,334	5,758,500	25.0	2.6	2758	553	794	-	135	20	37	60	22	16	84	531
UTER RING .	77,410 370,924	4,421,661 1,336,839	26°0 21°5	2·7 2·4	2206 552	414 139	631 163	-	100	14	32 5	53 7	16	13	71 13	498

TE.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 36.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

	POPULATION DATE (enumerated of RETU				ANNUAL	Di	EATHS	FROM	PRIN DISEAS	ES.	ZYMO	
CITIMS.		OF RETURN	II mala at	ve of Stillborn.	DEATH- RATH per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrheal Diseases.
CUTTA	433,219 {		5 -	225 214	27.1	-	1	-	1	2	95	30†
ABAY	773.196		5 322	353	19.8	-	4	9	2	9	89 94	26† 13
DBAS	398,777	99	7 390	276	36.0	-	3	9	2	9	64	38+
118	2,260,945	December 1	3 1286	1070	24.6	1	21	4	34*	3	20	49
ssers 8 Faubourgs.)	477,288	a,]	3 250	194	21.2	2	.7		-	3	1	17
STERDAM -	406,302	30	6 274	201 .	25.7	-	16	art	3	. 5	3	_
TTBRDAM -	203,486	39	6 143	78	19.9	-	1	Grad	1	2	==	-
B HAGUE -	156,497	99	6 114	82	27.2	-	-	-	1	1	_	2
BNHAGEN -	312,387	. 29	3 235	107	17.9	-	3.	3	8	2	_	4
CKHOLM -	236,350	~ 99	6 171	93	20.5	-	5	10	6*	2	1	5
BISTIANIA -	143,300	,,]	3 51	53	19.2	-	-:	4	7	-	1	5
PETERSBURG	924,466	9>	6 -	401	22.6	13	8	11	6	1	9	25
RLIN	1,547,533	November 2	9 1024	517	17.1		1	44	40	. 7		20
MBURG(State)	691,647	December	6	1 - 1		-	-	300	-	-	~	-
ESDEN	269.250	33	6 134	106	20.5	-	-	3	9*	-	-	i
BSLAU	324,400	,, 1	.3 230	168	27.4	-	-	4	14*	3	-	6
NICH	298,000	,,]	.3 -	163	24.6	-	4	-	9*	1	-	11
NNA	822,176	,, 1	3 613	351	19.2	5	11	-	11	-	2	12
LOUB	314,425	39 I	.3 -	152	25.2	3	-	2	4	1	-	3
DA-PESTH -	463,017	33	6 349	259	29.1	-	-	11	25	-	3	12
RESTR	160,092	" 1	3 113	66	21.4	-	-	-	5*	- 1	2	- 1
MB	417,392	November	8 202	156	19.8		1	_	12	1	131	12
RIN (10 days)	314,827	October 1	.0 188	153	17.7	-	-	`	1	1	. 5	21
NICE	156.800	December	6 84	103	34.3	17	3		4*	100	-	6
TRO	- 374,838	November	6 333	268	37.2	-		_	2*	in .	8	93
EXANDRIA -	231,396	99	6 169	159	35.7	-	-	-	4*	2	10	53
W YORK -	1,617.997	20 2	29 -	654	20.7	-	12	10	22	3	5	8
CORTAR -	871,852	n / 2	9 -	363	22.2	_	1	10	16	5	5	5
TLAUBUPHIA -	1,064,277	,, 2	9 -	\$83	18.9	-	_	5	11	1	15	5
LTIMORE -	500,343	December	6 -	159	18.2	_	_	1	4	1	1	_
W ORLEANS -	254,000	, 1	5	64 -	and	-			-		-	-
						-	_	_	-	-	Color and	- Telephone

Including deaths from croup.
 Including 3 deaths in each week from cholera in Calcutta, and 1 in Madras.
 Including 10 deaths from malarial fever.

Table 9. - METEUROLOGICAL OBSERVATIONS taken at the Hoxal Observatory, Greenwich, during the Week ending Saturday, 2017 December, 1890. [Under the Superintendence of the Astronomer Royal.]

,	_	es.	-		_		_	_										10,000,000	ener year.			***
_		Ozone.		0.0	0.0	3.0	0.0	0.0	0.0	0.0	7.0	27	a; no	nssion r, and ading	imum ne air duced	aphic	ther," and	n the	The ; and	show to the	750 in	
Date	cellected	in a Gauge whose receiving	surface is 5 inches above the Ground.	fn. 0.00	0.02	0.00	6.05	0.00	0.36	0.30	89.0 0.63	26	vel of the sea;	rmomete a discu aromete mean re	the maxise of the are decayed	photogr	higher,	Deptiord	rometer.	rument, pplying	sek to 29	
			Departure from Average of 16 Years.	Miles.	-178	-120	09 -	-173	28	-105	Sum 945	25	an level	oulb the need from for the b	dings of mperatu numidity by Glai	n of the	ending dicates	rket at natructi	ng Elest derate;	tine lass	of the w	10 K.
		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	131	189	250.	137	228	204	Sum 1220	24	e the mes	the wet hing 1873 ling 1873	the corrected mean of the readings of the maximum the mean daily value of temperatuse of the air temperature and degree of hundity are deduced and wet bulb thermometers by Glasaher's Hyerce	discussion that of	16 years that + in	lattle Ma under i	registerii	ces Sunsb e underst	eginning the 17th	of the we
ometer	-		Mean of 24 hourly obs.	lbs.	0.0	0.0	0.0	0.0	1.0	0.0	:	23	sea lev	r, and correcars encars encars.	nean o	rom a	for the	reign (arket,	's self weak	ill-Stok	at the k	ne end
n Anem		Pressure on the Square Foot.	Least. h	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	22	159 fee	ion of nty yes	ected run dai	ived f	ne in	he For	ve; w	ampbe n day.	88 in. 9	r ox ri
leed from		Pressu	Great. L	lbs.	0.3	1.1	9.0	1.5	1.5	0.3	:	21	eter is to red	therm pplication twen	le corrie	at der	be bor	s of t	om Th negati	the Con eacl	om 29. 8 in. b	11 88 G
Wind as deduced from Anemometers.	Mark as well	General Direction.	P.M.	NE. & SW.	SE. & ESE.	ESE. ENE.	Z	S. & SE.	NE. NW.		E	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sealevel. Observations are aixingly taken at 91, A. M.: 10001; 3h. P.M.; and 3h. P.M. The means of the	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1885 for the harmometers. With the corrected mean reading the time the twenty years ending 1885 for the thermometers.	of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of the pair and minimum thermometers, forming the mean daily dew point temperature and degree of hundity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hypro-	metrical Tables. The average temperature of the air is that derived from a discussion of the photographic Processes and the of horizontal movements made at Greenwich during the 20 years enting 1888, and that of horizontal movements	of the air from a discussion of the anemometric records for the 16 years ending 1875. In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," - "lower," than the average.	The interproducters in the water to the timester are suspicious are another to the other than the trace of the petries of the Foreign Carlo Market at Deptront, and there requires are registered by the Clerk of the Market, under instructions from the content of the Market, under instructions from the	Organization of Location is derived from Thomson's self-registering Elestrometer. The record of Electricity is derived from Thomson's self-registering Elestrometer, synthologic are:—F. positive; N. negative; w. wank; m. moderate; s. strong; v. variable.	The numbers in column 29, derived from the Campbell-Stokæs Sunshine Lasstrument, show the auggregate duration of bright sunshine on each day. The results of all the indevological observations are to be understook as applying to the	civil day, or from miduight to miduight. The reading of the barometer decreased from 29 *Sain. at the beginning of the week to 22°E0 in. by Sh. P.m. on the 1814) increased to 29 *78 in. by 9h. P.M. on the 17th; decreased to 29 *78 in. by 9h. P.M. on the 17th; decreased to 28.04 in.	d increased to
Top.			А.Ж.	E. & NE	SW. & WSW	ESE. & E.	NE. & NNE	NNE. & ENE.	ESE. & ENE.	ENE.kNNE.	Z	19	The height of the cistern rrection has been applied to the conventions are usually to	the baromete mean daily phic records	thermometer thermometer he mean dai	temperature Greenwich	a discussion ne columns 9 n the averag	the surface, at the end of one their readings are registered	of Electricity yed are: F	in column 2 luration of b of all the me	in midnight of the barome the 15th; in	the 19th; an
or work		Water hames tford.	Low-	35.9	35.9	35.1	34.6	34.6	34.5	34.1	0.98	18	ght of has b	into into itograj e twer	mum S). 1	Lables erage 1	from ing th	dings	cord c emplo	mbers gate d	or fro	M. on
ATTOE	ALUKE	Of the Water of the Thames at Deptford.	High-	36.4	36.2	36.0	36.0	36.5	36.4	34.4	35.0	17	he hei	readin verted he pho	of the dry bul and minimus (column 8).	metrical Tables. The average to	n read	ne the surfactir	The record of the symbols employ, variable.	he nu	il day, The rea Sh. P.A	Sh. A.l
THE ASSTUNCTION	MFER		Lowest on the Grass.	6.71	20.2	20.2	8.75	27.0	22.0	16.0	20.1	16	100			mel	1 P. C.	the	2 2 5		cıv J	o by
au fo e	a.T.	Of Radiation.	High- est in Sun's kays.	36.2	33.5	32.6	37.7	35.9	84.4	6.78	35.0	15		lensity.	occasional	wards.	100n.		sly till	the day.		San San Er
nemen		Degree of Hu- midity	ration equals 100).	97	96	81	88	64	93	26	06	14	vå	variable density.		st after	in afternoon.		continuously	art of		
nerrne	neen	nt of c	Least.	0.0	0.0	0.8	1.0	4.0	0.0	0.0	1:1	13	REMARKS	of var	cast w	overca	snow ii			reater 1		
ne on	ice betw	ew Poi beratur	Great-	3.0	8.7	9.9	4.6	7.8	60	2.3	4.6	12	L REI	goj. ;	g ; ove	morning; overcast afterwards.	equent		ng nearly	ring gure ein		The Bank
Under the Superntendence of the Astronomer mogue.	Differer	the Air Temperature and Dew Point Temperature.	Mean daily value.	0.2	1.1	4.7	3.0	5.6	1.1	9.0	2.2	E	GENERAL	throughout; fog	mornin; cloud	y in mo	ally; fr		w falling	r fell du	2	
- -		Of the Dew Point.	Mean daily value.		26.3	8.17	7.97	0.75	₹.27	25.4	24.4	10	GE	-	og in evening	y cloud	t gener	43	t; snow	t; snow		
	-	1	parture from Average of	0.81-	-13.7	-14.3	-12.1	9.01-	-12.9	-13.8	-15.6	6.		Cloudless Much hoar	Thick fog in morning; overcast with snow ull evening; cloudless at night.	Partially cloudy in	Overcast generally; frequent snow	Overcast.	Overcast;	Overcast; snow fell during greater part of the Unusually low temperature since December 10.		The rate of
	ATURE.		Mean daily value.	23.2	7.13	26.2	4.82	9.62	27.1	0.93	26.9	00	zon,	7.8	on .	2.8	2.2	4.2	2.4	4.4	Sum 54.2	
	TEMPERATU	Of the Air	Daily Range.	12.5	7.8	5.6	6.2	4.1	9.9	16.4	9.8	7	d Sun Hor in ho	-1	1-	1-	7			7	Su 54	98
	3	jo	Low. 1	1.21	23.0	23.5	23.9	27.3	23.5	1.91	22.1	9	Registered Sun above Sunshine, Horizon, in hours.	0 0	0.0	0.0	0.0	0.0	0.0	0.0	Sum 0.0	29
			High. 1	29.3	30.3	8.87	8.18	31.4	8.62	33.1	9.02	1			, g	•	i d	•	•	M.;		-
Bano.	METER.	Mean daily reading	rected and re- duced to 32° Fahren- heit).	in. 29.865	29.544	29.612	29.727	29.570	29.056	29.707	29.583	4	ELECTRICITY. (For explanation of symbols, see Note.)	s. P. in moruing; w. P. afterwards.	w. P. till afternoon P. afterwards.	nerally	w. P. till afternoon; v. P. afterwards.	m. P. generally		till 5h. A.M.; pipe frozen	•	28
		Phases		Perigee.	:	:	:	FirstQr.	In In	Equator.	:	8	ELEC (For ex	B. P.)	w. P. ti	w. P. generally	w. P. ti	m. P. g	w. P.;	m. P. till 5h. A	atterward	
		-	9	1 4	15	16	17		19	20		1	H.	- 14	15	16	17	. 18	10	. 20		
		1890.	Мокти акр Day.	DECEMBER.	Mox.	TUBS.	WAD.	THURS	FRI	SAT.	MBANS	No. of Col.	DATE. DECEMBER	SUNDAY .	MONDAY .	TUESDAY .	W EDNESDAY	TRUBBBAY.	FRIDAY .	SATURDAY .		No. of Col

OFFICIAL COPY.

WEEKLY RETURN

BIRTHS DEATHS LONDON AND IN

AND IN

TWENTY-SEVEN OTHER QREAT TOWNS.

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 52, 1890, Vol. LI.] WEEK ENDING SATURDAY, DECEMBER 27. Price 11d.

> General Register Office, Somerset House, 29th December, 1890.

TWENTY-EIGHT GREAT TOWNS.

The deaths registered last week in TWENTY-EIGHT GREAT TOWNS of England and Wales corresponded to an annual rate of 27.8 per 1000 of their aggregate population, which is estimated at* 9,715,559 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns alphabetically arranged, corresponded to the following annual rates per 1000:-

	W	eeks	ending					Weeks	ending	
Towns.		Dec.	Dec. 20.	Dec. 27.	Towns.		Dec. 6.	Dec. 13.	Dec. 20.	Dec. 3
Birkenhead Birmingham Blackburn - Bolton - Bradford - Brighton -	26·8 23 21·0 18 20·3 20 27·9 20 16·7 19 16·0 28	8·5 0·3 6·1 9·7 5·7	21·8 25·7 27·0 18·6 22·3	22·7 27·0 34·7 24·5 15·2	Liverpool - London - Manchester Newcastle-on-Ty Norwich - Nottingham	ne	28·2 24·3 23·5 16·2	21·1 27·2 18·9 23·5 18·5	26·0 31·9 25·6 26·8 20·0	26·3 43·6 24·3 27·3 26·4
Bristol - Cardiff - Derby - Halifax - Huddersfield Hull - Leeds - Leicester -	21·1 22 22·3 12 17·1 16 29·9 26 21·0 17 12·7 18 21·6 20 19·9 16	2·9 6·5 6·7 7·7 5·6 0·8	29·4 16·0 26·7 26·0 16·1 22·9	26·3 20·7 41·3 26·6 16·6 28·8	Oldham - Plymouth - Portsmouth Preston - Salford - Sheffield - Sunderland Wolverhampton		25.6 20.5 19.7 36.2 22.8 23.7 26.4 18.8	23·2 21·2 33·2 18·9 27·4	28·5 20·4 51·6 25·2 25·2 19·9	21·8 25·5 44·6 30·3 29·6 32·9

The highest annual death-rates, measured by last week's mortality, were:-from measles, 2·0 in Birkenhead, 2·2 in Manchester, 2·6 in Salford, 3·2 in Bolton, 3·8 in Bristol, and 5·5 in Preston; from scarlet fever, 1·0 in Preston, 1·5 in Sunderland, and 1·9 in Halifax; and from whooping-cough, 1·1 in Norwich, 1·3 in Cardiff, and 1·9 in Sunderland. The death-rate from "fever" did not reach 1.0 in any of the twenty-eight towns. The 55 deaths from diphtheria included 31 in London, 5 in Manchester, 5 in Portsmouth, 2 in Norwich, and 2 in Birmingham. No death from small-pox was registered in any of the twenty-eight towns.

LONDON.

In London 1771 Births and 2231 Deaths were registered. Allowing for increase of population, the births were 639 below, while the deaths exceeded by 316, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21.1 and 26.0 in the previous two weeks, further rose last week to 26.3. During the past thirteen weeks of the current quarter the death-rate averaged 20.6 per 1000, exceeding by 0.7 per 1000 the mean rate in the corresponding quarters of the ten years 1880-89.

^{*} The population of each of the 28 towns is estimated on the hypothesis that the rate of increase in the last intercensal period has been maintained since 1881; nine years after the last enumeration such an hypothesis is, however, obviously somewhat untrustworthy.

A 64310:-18. 635:-12/90. Wt.

The 2231 deaths included 84 from measles, 14 from scarlet fever, 31 from diphtheria, 43 from whooping-cough, 9 from enteric fever, 2 from ill-defined forms of continued fever, 15 from diarrhea and dysentery, and not one from small-pox, typhus, or cholera; thus, 198 deaths were referred to these diseases, being 41

below the corrected average weekly number.

No death from small-pox was registered, the corrected average being 9; no case of this disease was under treatment on Saturday last in the Metropolitan Asylum Hospitals or in the Highgate Small-pox Hospital. The deaths from measles, which had increased in the preceding three weeks from 91 to 100, declined last week to 84, but exceeded the corrected average by 11. The deaths from scarlet fever, which had been 30 and 14 in the preceding two weeks, were again 14 last week, and 21 below the corrected average. The Metropolitan Asylum and London Fever Hospitals contained 1685 scarlet-fever patients at the end of last week, the numbers on the preceding seven Saturdays having decreased from 2122 to 1752; 78 cases were admitted during the week, against 125 and 108 in the preceding two weeks. The deaths from diphtheria, which had been 45 and 32 in the preceding two weeks, were 31 last week, and exceeded the corrected average by 9. The deaths from whooping-cough, which had increased in the preceding two weeks from 27 to 53, declined last week to 43, and were 22 below the corrected average. The deaths from diarrhæa and dysentery, which had been 12 and 13 in the preceding two weeks, were 15 last week, and scarcely differed from the corrected average.

The 9 deaths from enteric fever were considerably lower than the number in any recent week, and little more than half the corrected average. The Metropolitan Asylum Hospitals contained 168 cases of enteric fever, and one of typhus, on Saturday last; 16 cases of enteric fever were admitted in the week, against 17 and

16 in the preceding two weeks.

Three deaths were primarily attributed to "influenza."

The deaths referred to diseases of the respiratory organs, which, under the influence of cold and fog, increased from 444 to 753 in the preceding three weeks, further increased last week to 806, and exceeded the corrected average by 296.

The age of a widow, who died at 35, Markham Square, Chelsea, was stated to be 101 years; the ages of 18 other persons who died during the week were stated

to be over 90 years.

Different forms of violence caused 70 deaths, concerning all but 5 of which inquests were held. Of these 70 deaths, 5 were cases of suicide, and one of murder, while the remaining 64 were attributed to accident or negligence. Three of these were caused by horses or vehicles in the streets, 15 by burns or scalds, 2 by poison, 3 by drowning, 14 (including 13 of infants aged under one year) by suffocation, and one of an infant, one month old, to "operation for circumcision, erysipelas."

GREATER LONDON.

In Greater London 2288 births and 2795 deaths were registered, corresponding to annual rates of 20·7 and 25·3 per 1000 of the estimated population. In the Outer Ring 24 deaths were referred to measles, 15 to whooping-cough, 8 to "fever," and 6 to diphtheria. The deaths from measles included 14 in West Ham sub-district. Of the deaths from whooping-cough, 4 occurred in Kingston and 3 in West Ham sub-district.

METEOROLOGY.

At the Royal Observatory, Greenwich, the mean reading of the barometer last week was 30·09 ins.; the lowest reading was 29·84 ins. on Tuesday afternoon, and the highest 30·19 ins. on Wednesday evening. The mean temperature of the air was 28°·1, and 11°·1 below the average in the corresponding weeks of the 20 years ending 1868. The mean was considerably below the average throughout the week, the coldest day being Monday, when the mean temperature was only 18°·7, and 20°·7 below the average. The general direction of the wind was Easterly, and the horizontal movement of the air averaged 5·3 miles per hour, which was 7·3 miles below the average in the corresponding weeks of 16 years. Melted snow was measured on Saturday to the extent of 0·03 of an inch. No bright sunshine was registered at Greenwich, against 5·6 hours at Glynde Place, Lewes.

TABLE 1. -BIRTHS, DEATHS, and METEOROLOGY in 28 GREAT TOWNS, during the Week ending 27th December 1890.

	1		
CITIES AND BOROUGHS,	Cols.	LONDON. BRIGHTON. PORTBACUTH. PORTBACUTH. PELWACUTH. PELWACUTH. BERISTOL. WOLVERHAMPTON. BIRNINGHAM. LEICESTER. NOTTINGHAM. BIRNINGHAM. LINCESTER. NOTTINGHAM. BIRNINGHAM.	EDINBURGH. GLASGOW. DUBLIK.
In Inobes.	24.	0.00	1
in Inohes.	23.	6.00.00 6.0	0.22
entigrade.	22.	0.11 0.11 0.11 0.13	1.28 0.61 1.56
The state of the s	21.	88.1.3 88.7.1 88	34.3 33.1 34.8
Their Lowest.	20.	2.5.29 2.5.29 2.6.00 2.6.00 2.	20.2
Tampest. Highest. Fahronheit.	19.	3.0	45.5
Annual Honor Corresponding Cor	18.	8 31380000 0 118008 0 4 8 8 8 8 7 1 4 8 8 4 0 4 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	1.0
We will work to the control of the c	101	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2).2
Uncertified suses of Death,	16.	8 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22.22
Deathsin Public Institutions.	16.	24 11 12 4 7 2 9 2 8 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 48 70
.asaab Jasupa.	14.	150 11 11 11 11 11 11 11 11 11 11 11 11 11	82 84 세·
Violence.	13.	01110 1 9440101 21111111 10001300	122
DEASICS. OF A THE TOP TO THE TOP TOP TOP TOP TOP TOP TOP TOP TOP TOP	12.	, 20 1 1 1 1 2 1 1 1 2 1 1 2 2 1 1 1 1 1	61 20 11
. Yevel.	F	, HI HH Ø1 H & Ø1 H + 1 Ø1 H + 1 Ø1 H + 1	4 21 0
Whooping-	10.	\mathbf{S} which is and in the superior of the superior \mathbf{S}	70 th 4
of case is the cas	6	ם מחשמותו מוחוות בחוחות הוחוותם מ	H 4 1
Garlet E	00	0 H 4	1 00 1
leasies.	12	8 44111171 HSISS 1 4 SP 5 5 5 5 4 4 H H SS P 5 1 H H H	1 00 1
.xoq-llsm	9		1 1 1
begg anoars o streef 08 -abrawqu be	10	4 1 1 2 2 3 1 4 2 2 2 3 4 0 2 3 5 5 1 1 2 3 3 4 0 2 3 5 5 1 1 3 3 5 4 0 4 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	55 63 59
d loss of loss	nl 4	889 7 7 111 7 7 7 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8	122
-	10	2011 36 36 70 70 183 184 411 184 184 184 185 186 186 188 188 188 188 188 188	105 212
Registered during the Wesk ending 27th Dec., 2890.	63	1771 30 50 50 50 50 50 50 68 68 68 68 68 68 68 68 68 68	111 339 98
POPULATION the salimated. 2 to the middle of the Year 1890.*		9,715,559 4,421,661 123,650 142,652 142,652 142,652 165,248 83,406 461,865 115,846 115,846 115,846 115,846 115,846 115,846 115,846 115,846 115,846 115,846 115,846 115,846 123,653 105,163 123,653 105,163 123,653 105,163 123,653 105,163 123,653 115,853	271.185 530,208 853,082
Porur estim to t middl the Y	1	2 4 2 2 2 3 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	127
	Cols.		, , ,
CITIES AND BORUUGHB.		28 TOWNS LOYDON BRIGHTON POLISMOUTH NORWICH PLYMOUTH WOLVERBANKTON BIRNINGHAM LEICESTER NOTINGHAM LEICESTER INVERPOOL BOLKON BOLKON MANCHERICH BOLKON HUDDERSTILLT HUDDERSTILLT BLEEDS SHULL LEEDS SHULL SUNDERSTILLT HUDDERSTILLT HUDDERSTILLT SHULL SUNDERSTILLT SUNDERSTILLT HUDDERSTILLT SULEDS SHULL SUNDERSTILLT SULERDS SHULL SUNDERSTILLT SULERDS SHULL SUNDERSTILLT SUNDERSTILLT SULERDS SHULL SUNDERSTILLT SUNDERSTILLT SULERDS SHULL SUNDERSTILLT S	EDINBURGH - GLASGOW - DUBLIN

Table 2. LONDON.—Births and Deaths Registered in the Fifty-Second Week of each of the Eleven Years, 1880-90.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	Corrected Weekly Average in 10 Years 1880-89.*	1890
TOTAL Births Males Females .	2519	2386	2131	1847	1832	2996	2368	\$326	1876	1815	2409·5	1771
	1294	1198	1080	945	941	1508	1206	1175	974	927	1226·6	873
	1225	1188	1051	902	891	1488	1162	1151	902	838	1182·9	898
TOTAL Deaths Males Females .	1648	2079	1719	1503	1430	2071	1899	1882	1641	1690	1915·1	2231
	841	1013	838	772	700	957	965	932	846	869	952·3	1069
	807	1066	881	731	730	1114	934	950	795	821	962·8	1162

^{*} The numbers in this column are the average weekly numbers in the fifty-second weeks of the ten years 1880-89, raised by 9.046 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, and METEOROLOGY in the Last THIRTEEN WEEKS.

1 ABLE	3. DONDON. D			,		TELE(7110110	OI III	· ·	23000	A IIIII	LULUIA	WEEK	.00
		Oct. 4.	Oct. 11.	Oct. 18.	Oct. 25.	Nov.	Nov.	Nov. 15.	Nov. 22.	Nov. 29.	Dec. 6.	Dec. 13.	Dec. 20.	Dec. 27.
TOTAL	Births	2433	2409	2412	2512	2295	2173	2321	2206	1980	2240	2293	2202	1771
TOTAL	Deaths	1413	1472	1741	1649	1817	1734	1709	1716	1527	1733	1787	2206	2231
Ages at	0-20 years - 20-40 ,, -	726 170 223	747 180 240	870 204 316	835 200	827 206	785 222	758 239	789 226	662 207	758 205	767 210	899 257	824 251
Death	40-60 ,, - 60-80 ,, - 80 years & upwards	253 41	254 51	281	264 296 51	336 372 76	331 318 78	296 313 73	283 350 68	277 300 81	317 372 81	319 391 100	419 515 116	412 602 142
-	(Under 1 year -	433	436	491	429	413	393	392	369	296	362	354	414	389
**	{1-5 5-20	193	213 98	260 119	306 100	303	283 109	257 109	308 112	266 100	296 100	304 109	384 101	333 102
Deaths fr	om Small-pox	_	_	_		_	_		-			_		
25 99	" Measles Scarlet fever -	30 20	38 20	59 20	70 29	95 16	74 23	63 15	76 26	76 27	91 23	92 30	100	84 14
97 31	" Diphtheria - " Whooping-cough " Typhus -	28 18	38 29	41 30	23 28	26 19	50 20	29 25	37	48 15	41 28	45 27	32 53	31 43
29 9) 93	" Enteric fever - " SimpleContafever	24	24	21	15	26	29	24	23	12	16	13	16	9 2
"	Dysentery - Cholera	105	94	75	55	43	26	19	11	16	4	12	13	15
"	" all the above-)	229	246	250	221	225	222	177	206	196	201	219	228	198
,,	,, Dis. of Respira-	262	197	340	417	450	465	465	459	375	444	487	753	806
37 29	,, Phthisis -, Dis. of Circula-)	123	147	204	139	189	153	174 139	184 134	151	189	161	203	187
Violent l		61	49	52	50	57	65	55	56	64	55	61	71	189
	n Public Institutions	107 335	113 346	128 397	382	395	148	131	109 426	127	121	143 426	164 498	150 474
Mean	of Highest readings -	56.7	54.3	47·7 56·5	48·2 54·4	43·6 50·4	45.2	6 44.5 52.4	50.0	34.3	35.3	30.6	26.9	28.1
Mean	of Lowest readings -	49.3	45.5	89.8	43.2	36.3	39.0		54·0 45·1	39.8	39.0	33.7	30.6	33.0
	y of the Air	76	82	82	83	85	82	88	90	82	87	91	90	90
	in inches ed Sunshine (in hours)	36.9	36.5	16.0	8.8	0.23	0.77	0.28	0.19	0.18	0.09	0.00	0.63	0.03
									1	0 0		1 0	0.0	0.0

METEOROLOGICAL OBSERVATIONS. (See TABLE 1.)

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General and the results have been compiled by J. Glaisher, Esq., F.R.S.:—F. E. Sawyer, Esq., F.S.A., Brighton: B. H. Mumby, Esq., M.D., Portsmouth; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippmeott, Esq., Bristol; L. Sinipson, Esq., Wrottesley, Wolverhampton; Henry Tomkins, Esq., M.D., Leicester; Arthur Brown, Esq. and B. A. Whitelegge, Esq., M.D., Nottingham; J. Hartup, Esq., F.R.A.S., H.O., Pilkington, Esq., M.R.C.S., Preston; J. McLandsborough, Esq., F.G.S., F.R.Met.Soc., Bradford; Mr. E. Peak, Hull; A. E. Harris, Esq., L.R.C.P., F.R.G.S., Medical Officer of Health, Sunderland; and Wm. Lyall, Esq., Newcastle-on-Tyne.

Table 4. LONDON.—Deaths Registered at several groups of Ages from different Causes in the Fifty-second Week of the Year 1890.

	9 12	1	7-	=	-	-		_	7 00	of the Year 1890.	1								-
	for the	Sa	turd	ay, 2	7th I	Decei	mber	1890			for the	Sa	turd	n the	th D	ek e ecen	ndin; aber	189.)	
	rerages for of the 10 0-89.		D	eaths	of H	erso	ns o	t			ges fo		D	eaths	of P	ereoi	ns of		
CAUSES OF DEATH.	Avera		T	Jude:		r 40.	r 60.	r 80.	ana	CAUSES OF DEATH.	Averages sks of the 1 1880-89.*		I	Inde	.	*0*	.09	360.	ana .
00020	cted A Week	GES.	-	20.		under	under 60	under		0.0	Ped A	AGE6.		20.	-	under	under	under	
	Correct 52nd V	ALL A	i	-6.	-20.	and	and	and	Years		Corrected A		7.	0.0	20.	sud u	40 and u	and u	Y 6ars
	500	4		-	5-	8	9	3	200		S 20	ALL	0-1	1-0.	5-	243	40	490	3 =
ALL CAUSES	1915.1	2231	389	333	102	251	412	602	142	Diseases of Organs of	2.1	1				1		1	
(Vaccinated; -	2.8	-	-	-	-	-	-	-	١	Special Sense †}		-	-	-	-	-	_		-
Small- pox Unvaccinated No Statement	3'4	-	-	-	-	-	-	-		Diseases of Circulatory System	151.5	189 ~	2	2	12	19	51	89	14
Measles	73.1	84	11	68	5	-	-	-	٥	Croup	10.0	10	1 -	11				-	-
Scarlet Fever	35°2 0°7	14	3	7	4		-			Bronchitis	18·3 219·2 115·8	12 547 153	88 25	69	5 10	16 28	89 27	234	46
Relapsing Fever †	0.0	-	-	1-	-	ŀ	-			Pleurisy - Other Diseases of Respi-)	7.0	11	1	-	1	4	2	3	-
Influenza	0.3	3	70	-	I	2	1			ratory System}	49.3	78	5	9	1	3	25	30	5
Whooping-cough Diphtheria	65·0 21·6	43	16	25 19	9	1	1			Dentition †	13.4	14	9	5	-	-	-	-	-
Simple Continued and)	1.1	2	-	1	1	-	_			Quinsy, Sore Throat † -	2·4 7·1	6	1	-		1	2	2	-
Ill-defined Fever - 5 Enterie Fever	17.1	9		1	2	6	-			Peritonitis Diseases of Liver	9·4 32·8	27	5	ī	1 -	1 3	10	6	2
Cholera and Chol. Diarr.	0.5			-	-	-	-	-	-	Other Diseases of Digestive System -	35.2	32 -	6	1	2	2	19	10	2
Diarrhœa, Dysentery - Remittent Fevert	0.3	15	8	4	1.	-	-	2	-	Division			-	-	-				
Hydrophobia	- 0'1				_	_		_		Diseases of Lymphatic System & of Ductless Glands †	1.5	4	-	1.	-	1	2	-	Ŀ
Glanders	0.0				-	-	-	H	-	Glands 7)			_						
Cowpox and Effects of \ Vaccination † }	0.3			-	-	-	-		-	Diseases of Urinary }	45.6	52	-	2	3	8	15	21	3
Venereal Affections -	9.4	5 12	2 5		-	-	1	2	-	28 svott)		-				_	_		
Erysipelas Pyzmia and Septiczmia †	8.4	5	1	1	1	1	3	3		Diseases of Generative)	7.0	5	-			2	. 1	2	
Puerperal Fever	6.4	8	H	-	1	6	1	-		Accidents of Childbirth -	4.8	6	-	-	1	5	_	-	-
Other Zymotic Diseases †	2'1	1	1	_	_		-	-	-	Discourse S. T.			1						
Thrush	1.7	I-I	H	-	-	-	-	-		Diseases of Locomotive System + }	7.4	7	1	1	1	2	-	2	-
Worms and other Para-} sitical Diseases }	0.5	1			-	_	1			Diseases of Integumen-									_
		-				-			-	tary System}	6'3	5	1	-	-	_	2	1	1
Starvation, Want of Breast-milk † }	1'6	1	1	-	-	-	-	-	Ŀ										
Alcoholism	6'4	13		Ŀ	-	6	5	2	~	VIOLENT DEATHS.§									
Rheumatic Fever,	017									(ACCIDENT.) Fracture and Contusion	19.1	25	2	2	1	7	7	3	0
Kneumatism of Heart }	9'1	9		-	3	5		1	1	Gunshot Wound Cut, Stab	0.2	-	-	-	-	-	-	-	3
Rheumatism †	3.9	5 2			1	-	1	4	1	Burn and Scald -	8.6	15	-	6	2	1.1	3	4	- 1
Rickets†	2.0	7	2	4	1	-	-	-	-	Drowning	3'4	3 14	13	-	-	2	1	-	
Cancer Tabes Mesenterica -	57°2 22°2	64 25	70	2	1	5	32	23	1	Otherwise	2.2	б	2	-	-	1	2	-	-
Tubercular Meningitis -	23.9	23	13 6	10 14	1 2	1	1	-	Ī	(Howggan)			1						
Phthisis	184.2	187	1	4	13	86	70	13	-	(Homicide.) Murder & Manslaughter	1.0	1	1	-	_	-	-	-	-
Serofula, Tuberculosis - Other Constitutional	16.2	18	9	4	1	3	1		-				-		-	-	_	-	
Diseases †}	11.1	14	1	-	2	6	4	1		(SUICIDE.) Gunshot Wound	0.0								
Premature Birth	40°1	41	41		_	-				Cut, Stab	1.5	2 -	-	-	-	1	1 -	-	-
Atelectasis +	3.8	4	4	-	-	-	_			Drowning	1.6 1.1	-	=	-	-	-	-	-	-
Congenital Malforma-	6.7	7	7	-	-	~	-	-	I-	Otherwise	0.2	1 2	-	=	-	-	2	-	-
Old Age	68.2	79		-	-	-	-	29	50				1		-		-		-
Apoplexy	52.9	53	1		1	2	13	33	3	(EXECUTION.) Hanging	0.0								
Epilepsy	9.4	13		-	2	6	3	2	-	Tranging		-	_	_		-	_	_	-
Other Diseases of Brain	58.0	40	33	5	1	-	1	-		OTHER CAUSES †	66.0	55	48	3	-	_	2	2	
and Nervous System	98.8	109	10	10	7	7	13	53	6	VALUE OAUSES	00 0	00	10				4		
The numbers in this			-		-					7 Wang 1990 90 mind by 000				,	-	-	-		

e numbers in this column are the average weekly Deaths for the ten years 1880-89, raised by 9'046 per cent. for increase of population. the ten years average could not be correctly ascertained, the average for the eight years 1882-9 has been used.

See case of small-pox only are returned as "vaccinated" or as "unvaccinated" which are so certified by registered medical men. When dical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered concer, the case is returned under the heading "no statement."

evidence at inquests is often insulticent to canable the Coroner to certify whether a violent death be the result of accident, murder, or suicide. All such cases are classed under "accident or negligence."

Table 5. LONDON.—Population; Bieths; Deaths from all Causes, and from Small-pox, Measles, Scarler during the Week ending:

TABLE 5. LONDON.—POPULATION	, DIA1	,											_			eek	endi	mg.
30					`		The	DEA					Weel	r inch	ide			
	Enume-			Deat	:1					Death	s from						lio	868
REGISTRATION SUB-DISTRICTS.	rated Fopu- lation, 1881-	Total Births.	Total DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Typhus.	Enteric (or Typhoid) Fever	Simple con- tinued Fever.	j Diarrhea.	Violence.	Inquest Cases.	Deaths in Publi Institutions.	Uncertified Causes of Death.
LONDON	3,815,704	1771	2231	389	744	-	84	14	31	43	-	9	2	15	70	150	474	32
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASTLUES OUTSIDE REGISTRA- TION LONDON WEST DISTRICTS.	669,688 905,947 282,238 692,788 1,265,148	265 406 93 381 626	387 485 123 420 791 25	45 74 24 94 152	156 171 35 194 244 14	-	8 11 2 29 34	2 5 1	8 7 2 8 6	15 7 2 3 16		1 3 - 1 4	1 - 1	3 3	10 18 5 17 20	21 39 13 48 29	107 89 31 99 123 25	3 1 1 3 24 -
DA Many Paddington WHH G.J. &W.M	69888 87880	20 5	32 15	4 -	11 8	=\	-		2 -	3	-	1	-	-	1	-	3 22	-
Kensington Town Ww - W.M.	190141 48010	38 7	71 14	9 2	39	-	-	-	1 -	-	-	-		-	1	3 1	5 -	-
Brompton H St. Peter Hammersmith St. Paul Hammersmith H W.M. & G.J Fulham Was	7599 64340 42900	37 48	6 44 52	3 9	20 13	=	3 2	4	1 3	2 6	-	-	-	ī	-	3	1 12	ī
Chelsea Kensal Town C.	42683	8 20 2	31 13	2 2 3	16	=	-	-	-	1	-	-	-	ī	ī	1 8	14	-
May Fair W G.J.	85496	5 29 24	23 33 15	1 3 3	16 11 4		1 - 2		1 -	1 1 -		-		1	3 -	3 -	12 12 1	1 1
St. John Westminster HHH - C. St. Margaret Westminster H - C. St. James Westminster WHH N.R.&G.J. St. Anne Soho HHHHHHH - N.R.	24679 29941 16608	5 7 6	10 12 11	1 2 1	3 4	-	-	-	-	-	-	-	-	1	1 2	3	4 -	-
NORTH DISTRICTS. All Souls Marylebone HHHHHH W. M. Cavendish Square HHHH — W. M. Rectory Marylebone W — G.J. & W. M. St. Mary Maryleb. HHHH G.J. & W. M. Christchurch Marylebone H — W. M. St. John Marylebone H — W. M. Hampstead WwHHHH — N.R. & W. M.	24809 21118 38700 33638	3 2 5 22 6 9	15 2 14 14 15 16 23	- - 4 2 3 1 8	7 -6 4 4 6 8	111111	1	1	1	2 - 1	111111	1	111111111111111111111111111111111111111	1	1 1 1 1 1 -	1 - 2 1 1 3 2 1	3 1 - 8	1
Regent's Fark Panoras H Tottenham-court wHHHHN.R.g.W.M Gray's Inn Lane HHH - N.R Bomers Town HH - N.R Camden Town WH - N.R Kentlsh Town W Honge Holloway WWWHH - N.R	27729 30247 34369 17311 87487	13 5 13 17 20 46 39 40	10 23 19 15 25 44 49 50	8 4 6 2 8 6 5 6	1 4 4 10 25 16 18		1 - 2		1 1 1	1 1 1			111111	- - 1	2 2 1 2 1 1 2 2	2 5 1 4 2 1 3	12 6 1 12 10 17	
Islington South-east Highbury H	61895	17 18 8	31 23 11	6 3 2	13 11 5	-	11111	-	1	-	=			-	2 -	3 2 2 1		
Stoke Newington H - N.R Stamford Hill - E.L West Hackney H - N.R Hackney Weever H - E.L. & N. South Hackney - E.L	87610 R. 76911	7 17 51 19	16 50 17	1 3 2 4	5 13 7	-	1 4 2	1	2 -	1		2 -	1	=	-	2	1 15 -	1
CENTRAL DISTRICTS. St. George Bloomsbury - N.E. St. Giles South WH N.E. Giles North H N.E.	14864	8 12 4	8 3	5 2	2		-	-	1 1 1	1 -			111		-	1 -	1 7	
St. Martin-in-the-Fields HH N R. & C. St. Mary-le-Strand H N.I St. Clement Danes WH - N.I Strand Union Workhouse, Edmonton w	8559	8	11 8		3	:	-	-			-		-	1111	1	2	4 - 6	
St. Geo_the_Martyr HHHHHHH N.1 St. Andrew Eastern W N.1 St. Andrew Eastern W N.1 Saffron Hill St. James Clerkenwell N.1 Anwell Clerkenwell N.1 Pentonville N.1	18671 10706 1. 6538 17516 19281 14778 1. 14778 1. 1541 18628 8. 9217 8. 9217	10 3 9 5 3 16 7	1	66 44 60 88 11					1	1111					1	2 - 1 1 1	2	
St. Botolph H - N.E. EE Cripplegate - N. St. Sepulchre H - N. St. Bride W - N. Allhailows Barking - N. Broad Street H - N.	R. 7193 R. 5358 R. 8896 R. 18666		1	2 2 3	3 1	1 -4 -									3	-	10	

NOTE—The Italie letters placed against the names of the sub-districts denote Public Institutions situated therein, namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; in which paupers are received; w—Workhouse Establishme receiving immates from other Duariest than that in which it stands. The Koman expitals signify the Water Companies which supply the difference sub-districts:—G. J. signifies Grand Junction Company; W. M. West Middlesex; C. Chelsea; S. Southwark and Yauxhall; L. Lambeth; N. R. Ne River; E. L., East London; and K., the Kent Company.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHOBA, VIOLENCE, &c., registered in each Sub-district urday, 27th December, 1890.

The State of the Local Division in the Local			100		2/1/2	T	The	DEA	тна г	egiste	ored i	n the	Wee	k incl	ude		-	-
Mary Street Street	Enume-		-	Deat	hscf	The same	2			Death	-		1500			1	1	-
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1881.	Total BIRTHS.	Total DEATES.	Intanta under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or 'Typhoid) Fever.	Simple con-	Diarraga.	Violence,	Inquest Cases.	Deaths in Punic Institutions.	Uncertified Causes of Death.
East Districts. oreditch South HL* - N.R. ston New Town w - N.R. ston Old Town - N.R. & E.L.	22343 29937 28036 48275	13 22 24 30	10 23 15 29	1 1 3 6	1 13 5 5	1 11111	4	1 1 :		11111	11111	1111	1111	11111		- 2	2 10 -6	
thnal Green North H - E.L. thnal Green South E.L. thnal Green East WHL* - E.L.	51157 34899 41405	27 22 15	20. 9 45	7 5 10	1 2 17	=	1 2 3	1111	3 -	1117	110	11.1	100	100	1 1 3	2 2 5	19	
talfields E.L. & N.R E.L. & N.R E.L. & N.R. difference of the company	22585 15473 17490 9713 6102	2 8 7 1 2	12 11 25 3 3	5 5 3 1	2 4 6 -	11111	1	11111	1 - 1	11111	11111	11111	11111	SELLE.	- 6	1 2 8 -	7 17 -	The Party
George's North E.L. John, St. George East W - E.L.	88747 8410	23	22 11	8 3	7 3	=	2	-		1		10	11	11	111	4 -	7	2
adwell H E.L. $\&$ N.R. telliff E.L. nehouse E.L.	10395 16107 32041	3 9	15 8 14	6 1 3	3 7	11.1	2 2 1	111	1	1.63		141	111	1111	1 -	3 -4	5 -	1111
le End Old Town West H - E.L. le End Old Town East $WwwH$ - E.L.	87960 67653	34 33	14 44	2 10	6 11	-1	4	-	223	110	-	-	3 1	1.	2	6	6	1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	87074 64359 55077	25 47 30	14 47 26	4 6 4	5 14 12	=	4 3	111	1	3	111	ī	111	3 -	2 -	1 4 2	1 14 5	111
SOUTH DISTRICTS. Pistchurch Southwark WH L. & S. Saviour Southwark - S. nt-road - S. & L. ndon-road HL - L. & S. nity Newington - S. & L. Peter Walworth W - S. & L. Mary Newington - L. & S. Dive WH	13663 14999 21381 15953 21318 26672 59555 21623	2 3 9 3 6 11 23 9	5 4 9 8 10 15 29 15	22 3 2 3 2 4 4	1 1 2 3 8 3	in in in in	1 2 -	1 1 1	11111111	1 - 2 - 1		11111111	11111111		1 - 1	2 1	1 - 1	1
Olave WH S. ather Market S. & L. Mary Magdalen W S. James Bermondsey - S. therhithe WH S. & K.	11956 16300 15669 54682 86024	10 S 12 17 11	14 14 12 24 29	1 - 2 3 4	3 -4 6 12			11111	1	1 2 -	Time:	11111	111111	1	1 - 2	1 - 1 - 2	10 1 11	- 2 2
aterioo-road ist H - L. & S. aterioo-road 2nd H - L. & S. mbeth Church 1st H - L. & S. mbeth Church 2nd WW - L. & S. nnington 1st - S. & L. nnington 2nd - S. & L. txton w L. & S. L. & S. Twood W L. & S.	15195 16351 19876 39859 45232 35332 62837 19017	7 17 7 27 25 18 50 9	5 11 19 46 25 27 38 8	1 4 4 14 7 4 7 1	2 - 3 8 8 13 13 2	Triation	1 1 4 1	HERETE	111112	1 2 1	1111/1111			Pittiti		3 - 1	10 16 - 1	31
st Battersea	54675 52587 36380 28004 13235 25553	43 25 14 16 3 18	28 43 22 16 4 14	11 8 5 3 1 3	11 15 10 5 2 3	111111	THEFT	11111	1	3 -	111111	1 1	111111	11111	2	1 1	8 1 - 1	1 1 - 1
dwich L. $\&$ S. mberwell $W \otimes L^*L^*$ - S. $\&$ L. ckham W S., L., $\&$ S. George Camberwell - L. $\&$ S.	5590 59104 71089 50810	1 32 33 28	3 71 50 26	1 8 7 7	1 27 18 4	1111	3 6 4	1111	1	1	1111	1111	1111	1	1 2 -	1 2 -	33 3	2 2 1
Paul Deptford *v K. Nicholas Deptford K. cenwich West H K, cenwich East WHH K.	76752 7901 21972 24603	45 - 13 20	39 4 5 21	8 1 2 4	16 1 1 5	1111	2 2 -	1	1011	1 -	1 1010	1111	1111	1111	1 - 2	2	2 - 9	3 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5048 21559 19865 26076	12 7 18	1 5 12 7	1 1 1	3 7 3	11111		1111	1111	11111	1111	17.17.1	1111	1111	1111	1111	4	1111
ariton HH K. colwich Dockyard K. colwich Arsenal HH K. umstead, West H K. umstead, East W K.	10930 17617 19048 14009 19241	1 3 7 7 21	7 8 15 5 28	1 1 - 5	1 5 4 2 7	11111	1 4	111111		Cities		111111	THE	11111	2 - 8 1	- 8 1	2 - 1 - 7	2
ospital Ships and Camp, Dartford - inchmore Hill Hospital - terham Asylum - tenth Asylum - weeden Asylum - unstead Asylum - unstead Asylum - unstead Asylum - unstead Asylum - unstead Asylum - unstead Asylum - unstead Saylum - u	-	1111111	1 5 8 - 4 -		4 3 - 2 -	1111111	1111111	111111	1111111	THE LAKE	1111111	The First	1114111	1111111	1111111	TOTAL	1 5 3 - 4 -	or friend
anwell Asylum	=	1111	3 7 2	1	3 1 1 1	1111	1114	111	111	113	100	11.3	111	1111		613	3 7 2	111

TABLE 6.—LONDON.—OUTER RING (excluding Metropolitan Workhouses, Hospitals, and Asylums).—Area; Population; Births and Deaths registered during the Week ending Saturday, 27th December, 1890.

Cardo	No. of Congress	Area	and the	- 19	E-05.				The Di	EATHS	registe	ered in	the 1	Ve ek i	nelude			
Regis-		in Acres,	Enume-			Deat	ths of				Death	s from						202
District and Sub- listrict Num- bers.	REGISTRATION SUB-DISTRICTS.	including Tidal Water and Foreshore.	rated Popu- lation, 1881.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LO	DON-OUTER RING	370,924	950,957	517	564	127	170	-	24	2	6	15	8	3	21	38	41	18
30:1	Carshalton wL - Epsom (part of)* WwH	12228 9971	21118 10710	5 -	8 2	3 2	4	-	-	4 1	-	-	-	-	-	1	100	i
87:1	Godstone (part of) * -	2754	1235	-	-	1-1	-	-	1-	14	1-3	-		-	5-0	1020	274	
38:1	Croydon Ww L -	20851	101241	41	55 11	10	25 4		-	-	2	-	1	1	3	9 .	13	True C
89:1	Mitcham w Wimbledon HHH -	11697 3220	17932 15950	5	10	4	2	1	114	1-	-	1	404	10	1	1		1
2	Kingston WHH	8549	36354	17	18	5	6		1-1	-	1	4	-	1/2	1	1	2	-
3 4	Esher (part of) * - Hampton H	6601 4573	9221	1	5	2	2		1-	1	100	-		1	192	-		7
40:1	Richmond WH	2272	21302	6	11		5	1	1	1-1	1	-	1-4	12	1-	330	1	421
2	Mortlake	2941 15669	12831 81142	13	13	1	2		1 _	-			1	1				-
41:1	Bromley(pt.of)*HHHH Chishrst(pt.of)* WHH	14507	15844	5	10	1	2	4	-	100	-	+ 4	7-17	THE R	-	-	1	2
42:1	Bexley H	13437	24134	11	15	6	4	-	5	100	-	1		1 . 1	-	100	1	1
124:1	Dartford (Ww, pts. of)* Sunbury **	11055	11685	2	7	2	3	-	-	-		-	-	LEO.	-	1	-	
2	Staines W	13277	12089	7	6	1	2	-	-	1-	150	-	15	100	100	Sens.	1000	-
125:1	Hillingdon WHH - Uxbridge	6029	10802	6 3	5 2	-	2	1	-	-		I	-	1	-	-	1	4 4
3	Hayes wHL -	14587	11523	6	6	1	1	-	1	1-	-	+	1	-	-1	1	1	1
126: 1	Isleworth WHH - Twickenham H-	7008 2477	22727 12479	10	11.	2	4 2	-	-	-	-	T	-	1	-	-	3	17
3	Brentford HL	4345	27649	16	17	5	7	-	1	-	-	-	1	-	-	1	2	P. C. I.
4 5	Chiswick	1340 6088	15975 22876	14 10	10	2	6	-	15	-		1	1	-	1	1	12	Tot
127:1	Harrow H	13809	12796	6	2	1	1	-	-	-	1-	+	5-1		-	100	120	2
2 3	Edgware H Willesden	6994 4383	3749 27453	2 23	24	5	1 8	12	1	1	1	1	2 14	1	1	2	1934	1 5
4	Hendon W	8382	10484	4	2	1	-		7	1	1	-	33	-	-	- 50	25	100
187 : 1	Bushey Watford (W, pt. of)* -	9331	6621	3	4	2	2	15	1	-	1	-	-		-	-	-	10-1
128:1	South Mimms	15599	6391	-	-	1	-	1-1	12	1-	-	-	27	-	344	1 - 50	-	-
2 3	Barnet Finehley HL	5433 4683	10092	5 8	3 7	2 3	1 -	-	-	1	-	-	1	1 1	1	1	TE	1
135 ; 1	Hatfield (part of) * -	3306	583	-	-	1	-	-		1-	-	-	1-1	-	-	-	-	N. A.
129 ; 1	Hornsey H	3039	37078	20	14	3	7	-	74	-	-	1	23	1	-	-		
3	Tottenham H Edmonton Ww -	4642 7483	46456 23463	17	37	6 2	10	1	115	-	1	2 -	1	5	1	2	3	10.10
4	Enfield WH	12653	19104	15	17	8	2		2-	-	1-1	-	-		-1	1	-	1
6		11017 8480	7735	10	2	1	1 3	7-1	12	-	1000		1	-	1000	-	100	1
186:1	A CONTRACTOR OF THE PARTY OF TH	882	38606	20	24	6	3	1	2	-	-	1	1	-	2	8	1	3
3	The second secon	4055 3296	90347 10706	15	101	20	17	1	14	2 -	1 -	3 -	2	-	9	10	7	1
4 5	Leyton WwL Walthamstow H -	4372 6520	32430 28869	24 32	22 20	3 8	9 5	1	2	-	-	1	1	1	61	1	2	-
187:1	The state of the s		9689	5	7	1	2	1-	-	-	12-1	1	-	-	1	1	1	1
2		-	-	-	-	13	-	-	- 7	-	-	-	-700	100	-	24.	150	17
189:1	A COLOR OF THE PARTY OF THE PAR		3411 7645	2 2	6	1	1	-	-	-	-	1	1	-	-	7	100	1
8		4127	9203	9	4	1 -	2	-	1 -	-	1 -	1=	-	-	-	1	1	1.5

^{*} The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: 30:2, Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37:1, the parishes of Warlingham and Farley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 1993); 41:1, Bromlay sub-district, except the parishes of Cadham and Knockholt (pop. 1818); 41:2, Chislehurst sub-district, except the parish of Cheisfield (pop. 947); 135:1, the parish of Northaw in Hatfield sub-district; 187:1, Chigwell sub-district, except the parish of Theydon Bois (pop. 875); 189:1, the parish of Dagenham in Romford sub-district also deaths in Workhouses belonging to the Outer Ring in 42:2, Dartford, 187:2, Watford, and 187:2, Epping, sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the Week ending Saturday, 27th December, 1890.

	Area			L RATE		1 2	The Da	ATHS	regi	stere	l in t	he W	eek i	includ	le	31.12
GREATER	in Acres,	Estimated Population,		0 living.	DEATHS	Deat	ths of		13		Death	s fro	m	7		Public ions.
LONDON.	including tidal water and foreshore.	middle of 1890.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16
EATER LONDON	448,334	5,758,500	25.3	2.3	2795	516	914	-	108	16	37	58	19	18	91	515
INNER LONDON - OUTER RING -	77,410 370,924	4,421,661 1,336,839	26·3 22·0	2.3	2231 564	389 127	744 170	1 1	84 24	14 2	31 6	43 15	11 8	15	70 21	474

ote.—The area of Greater London is 448,334 acres; of which 4,892 acres are tidal water and foreshore. This area is equal 700.522 square miles, which is equivalent to the area of a circle having a radius of 14.933 miles.

TABLE 8 .- BIRTHS and DEATHS, and Rate of MORTALITY in 31 FOREIGN CITIES, having an estimated Aggregate Population of 17,320,475 Persons.

	POPULATION	THE STR	1 16286	la la la la la la la la la la la la la l	ANNUAL	D	EATH	FROM	PRIN DISEAS	ES.	ZYMC	
CITIES.	(enumerated or estimated).	DATE OF RETURN Week ending	Elmal-mi-	DEATHS.	DEATH- BATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoeal Diseases.
LCUTTA	433,219 {	November 8		203	24.4	1-	-	-	1 -	-	93	30†
MBAY	773,196	December 2		230 381	27.7	-	-4	5	2	2	89 124	41† 27
ADRAS	398,777	November 14	363	215	28.0	1	2	-	17.33	31.37	60	28
RIS	2,260,945	December 20	1141	1175	27.0	2	13	3	34*	9	14	50
RUSSELS	477,288	,, 20	294	242	26.4	3	10	-	1 -3	2	4	15
8 Faubourgs.)	406,302	,, 13	284	186	23.7	-	21	2	8	10	-	
TTERDAM -	203,486	,, 13	149	100	25.5	-	1	2	-	1	_	
TE HAGUE -	156,497	,, 13	106	63	22.6	-	-	-	-	-	-	-
PENHAGES -	312,387	., 20	199	118	19.7	-	5	2	10	1	-	4
OCKHOLM -	236,350	" 13	150	100	22.0	-	11	6	6*	-	1	4
BISTIANIA -	143,300	,, 20	47	37	13.4	-	-	2	-	-	1	1
PETERSBURG	924,466	" 13	1 1 -1 1	408	23.0	12	2	14	12	1	10	33
BLIN	1,547,533	,, 6	926	575	19.0	-	2	1	30	7	1	29
LMBURG(State)	591,647	,, 6	451	259	22.8	2	1	4	6*	2	2	15
RESDEN	269,250	,, 13	178	70	13.2	-	1	2	1	-	-	2
REBLAU	324 400	,, 20	250	146	23.8	-	-	5	6*	3	-	12
UNICH	298,000	,, 20	-	146	22.0	-	3	-	6*	1	-	11
BHNA	822,176	,, 20	540	431	27.3	1	20	4	15	1	2	17
TYGOR	314,425	,, 20		184	30.5	-	1	1	5	-	3	2
JDA-PESTH -	463,017	,, 13	342	248	27.9	-	1	. 7	13	1	4	11
TESTE	160,092	,, 20	106	105	34.1	40	-	-	6*	-	-	4
OMB	417,392	November 15	- 18	37-11	-	-	-	-	-	-	-	-
JRIN (10 days)	314,827	October 20	230	140	16.2	-	1-1	-	3	-	4	19
INICE	156,800	December 13	78	105	34.9	12	1	-	5*	-	-	9
IRO	374,838	November 13	330	262	36.3	-	-	-	4*	2	15	89
EXANDRIA -	231,396	,, 13	189	142	31.9	-	-	-	3*	-	12	42
EW YORK -	1,617,997	December 6	- 1	672	21.2	-	12	5	31	5	8	10
BOOKLYN -	871,852	. 6	13-40	351	21.4	-	2	8	16	2	. 6	2
HILADELPHIA -	1,064,277	,, 6	1 - 11	\$86	18.9	-	-	11	10	2	10	5
ALTIMORE -	500,343	Namenahan 99	1 5-10	169	19.3	-	-	1	16	2	4	2
EW ORLEANS -	254,000 {	November 22 29	-	181 155	31.8	-	-	-	1	1 1	2	14 8

^{*} Including deaths from croup. † Including 2 and 11 deaths respectively from cholera in Calcutta;

9	
8	
-	
H	
BE	
M	
A	
EC	
ā	
1	
3	
2	
CI	
-	
23	
0	
E	
at	
32	
0.6	
.8	
5	
n n	
-	
ek	
e	
A	
(1)	
म्	
+	
18	
u	
70	-
M .	20
5	no
H	R
2	2
E	20
E	00
×	20
0	200
2	75
200	A
0	100
=	7
A	10
ne.	80
3E	ne
SBE	dence
OBSE	ndence
C OSSE	tendence
AL OBSE	intendence
YAL OBBEI	erintendence
COTAL OBBEI	voerintendence
ROYAL OSSE	Superintendence
he ROYAL OBSE	e Superintendenc
the ROYAL OSSE	the Superintendence
at the ROYAL OSSE	or the Superintendence
1 at the Royal Orse	der the Superintendence
en at the ROYAL OSSE	Inder the Superintendence
iken at the ROYAL OSSEI	Under the Superintendence
taken at the ROYAL OSSEI	Under the Superintendence
S taken at the ROYAL OSSEI	Under the Superintendence
NS taken at the ROXAL OSSEI	Under the Superintendence
ONS taken at the ROYAL OSSEI	Under the Superintendence
IONS taken at the ROYAL OSSEN	Under the Superintendence
TIONS taken at the ROYAL OSSEJ	Under the Superintendence
ATIONS taken at the ROYAL OSSEJ	Under the Superintendence
VATIONS taken at the ROYAL OSSEN	Under the Superintendence
RVATIONS taken at the ROYAL OSSEJ	Under the Superintendence
ERVATIONS taken at the ROYAL OSSEI	Under the Superintendence
SERVATIONS taken at the HOYAL OSSEI	Tuder the Superintendence
BSERVATIONS taken at the ROYAL ONSE	Under the Superintendenc
OBSERVATIONS taken at the ROYAL ONSE	[Under the Superintendence
L OBSERVATIONS taken at the ROYAL ONSE	[Under the Superintendence
AL OBSERVATIONS taken at the ROYAL ORSE	[Under the Superintendence
CAL OBSERVATIONS taken at the ROYAL OSSE	Under the Superintendenc
ICAL OBSERVATIONS taken at the ROYAL ONSE	Under the Superintendenc
GICAL OBSERVATIONS taken at the ROYAL ONSE	Under the Superintendenc
OGICAL OBSERVATIONS taken at the ROYAL OSSEN	Under the Superintendenc
LOGICAL OBSERVATIONS taken at the ROYAL OSSEN	[Under the Superintendenc
OLOGICAL OBSERVATIONS taken at the ROYAL OSSEN	[Under the Superintendenc
ROLOGICAL OBSERVATIONS taken at the ROYAL OSSE	Under the Superintendenc

1	-		ญ้			1							-							- 17		
-	100		Ozone	(96)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	of the	sr, are ussion r, and ading	duced duced	raphic	" and	below l, and n the	The ;	show to the	18 in.
-	Rain	in a Gauge whose	receiving surface is 5 inches above the Ground.	in.	00.0	0.00	00.0	00.0	0.00	00.0	0.03	Sum 0.03	26	vel of the sea;	rmomete n a discr aromete mean re	are deciner's H	photograph tal move	higher,	No feet Deptford ins from	ometer.	rument,	ek to 30 ed to 30
			Depar- ture from Average of	Miles.	- 73	-240	-235	-182	-155	-221	-127	Sum -1233	25	in level	ulb ther	apperatu umidity by Glais	n of the horizon	licates "	ket at I	g Electriciate; s	Sunshine Instrument, shown anderstood as applying to the	of the we
	Direct Property lies	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	234	65	89	119	145	73	174	Sum 884	24	the meand and sh. P.h	he wet b ons dedu ng 1873 f	ree of h	liscussion that of 6 years	lat + inc	er of the Thames are suspended at a depth of two feet he of the jetties of the Foreign Cattle Market at Deptford, by the Clerk of the Market, under instructions from	egisterin m. mod	s Sunsh underste	ginning he 23rd;
	meters.	W/ -	an 124	lbs.	-	0.0	0.0	0.0	0.0	0.0	0.0	No.	23	above a leve	and to	value deg	m a d	ind th	ign Ca	self-r	-Stoke to be	the be
	Anemo	e on the	Least. Me	lbs. Ik	_	0.	0.	0.0	0 0.	0.0	0.0	100	22 2	59 feet se to se s 3h. P	meter, n of con y year	daily ure ar	red fre	e in m	e susp e Fore	mson's	day.	Sin. at
	Wind as deduced from Anemometers.	Pressure on the	reat- Les	lbs. lb	1	0 0.0	0.0	0 0.0	0.0	0 0.0	0.3			er is 1 reduc	hermo licatio twent thermo	mean nperat	t derivers	e born	of the	n Tho	he Can reach rvatio	n 29.88 in. by
	a deduc	1	Great-	1 10	1314	9000	0	OF SP	-	-	-	4.4	21	romet ings to	bulb the appuge the true the true the true true true true true true true tru	ig the nt ten	is tha 20 yes	will b	etties Clerk	N. n	rom tine or	ed fron
1	Winda	Osler's	P.M.	1	ENE. & NE	Variable	ESE.	E. & ESE.	S. & SSW.	WSW. &	NNE. & E	ATT	20	The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. Observations are usually taken at 91. A.M.; noon; 31. P.M.; and 91. P.M. The means of the	eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading	of the dry blub merupomeer is common the corrected mean of the cartures of the man and the confidence of the mean daily value of temperature of the mean daily dow point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-from, the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygro-	instruct a Landson of the air is that derived from a discussion of the photographic coords made at Greenwich during the 2 years ending 1898, and that of horizontal movement of the air from a discussion of the aremoment records and the survey of the survey of the aremoment of the air from a discussion of the aremoment records for the 18 years ending 1875.	In reading the columns 9 and 25 it will be borne in mind that + indicates "higher," and "lower," than the average.	The thermometers in the water of the Thames are suspended at a depth of two feet below the surface, at the end of one of the jetties of the Foreign Cattle Market at Deptford, and their readings are registered by the Clerk of the Market, under instructions from the Corporation of London.	The record of Electricity is derived from Thomson's self-registering Electrometer. The gran bols employed are:—F. positive; N. negative; w. weak; m. moderate; s. strong; and	The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The results of all the meteorological observations are to be understood as applying to the	CIVI RBy U. Trom influence or nonnight. CIVI RBy U. Trom influence or nonnight. CIVI Repealing of the barometer increased from 29°88 in. at the beginning of the week to 30°18 in. by Mb. P. x. or the 24th increased to 20°19 in. by Mb. P. x. or the 24th increased to 20°19 in. by Mb. P. x. or the 24th increased to 30°19 in. by Mb. P. x. or the 24th increased to 30°19 in.
1	-	Consess Discontion	A.M.		ENE.	NE. & Calm.	E. & ENE.	ESE.	Calm & SW.	Calm & SSW.	ENE. &NNE.	H	19	cistern pplied to sually ta	arometer daily vs ecords n	mometer ean dail; y values	erature o	average	The thermometers in the wa the surface, at the end of one their readings are registered Corporation of London.	ectricity re:-P.	lumn 29, on of bri	baromete 11st; deci
Cama.		les es	1212		-	NE.	E.	Trong II	Calı	Calm	7777	100		of the been a	of the boundary applies	n ther The m an dail	e tempe at Gree	the col	The thermometers in the surface, at the end of their readings are region of London.	of El	rs in co	of the
Heer To	RE.	Of the Water of the Thames	h- Low-est.	0	•			-		•	1	:	18	neight on has	lings of ed inthotograph	nimur 1 8).	average made	ading	hermo face, a eading ation o	record s emp	regate regults	eading
on one	TEMPERATURE.	LOT	st High-	0	0	*		. 0	•			1:	17	The h orrecti	ye-reaconvert f the p uring	nd mi columi rom th	The secords	In re	The the surheir r	The recoi	The age	The T
CIED ON	TEMP	Of Radiation.	Lowest on the Grass.	0	0.12	3 13.4	18.1	0.00	3 18.3	0.83	26.9	3 20.9	16	5	at		H EC		TO SEE	32 -		
ince of		12	High- est in Sun's Bays.	0	43.5	8.42	36.5	39.0	35.6	39.0	37.0	36.8	15		y fine	afterwards.	-	lly cloudy	cloudy till afternoon;		0w.1	
necessary		-			85	100	86	82	83	06	68	06	14	KS.	and very	fog a	ning.	partially	ly till a		ght sn	
nadac	etween	the Air Temperature and Dew Point Temperature.	Least.	0	1.0	0.0	0.0	1.3	0.0	0.0	1.1	9.0	13	GENERAL REMARKS.	cloudless	dense	early morning.	ne and	; cloude light		uent sli	
r vice A	rence b	Air Temperat and Dew Poin Temperature.	Great-	0	2.2	0.0	1.0	2.4	0.9	2.1	4.4	4.0	12	AL R		rning;		afternoon; fine	orning		t; freq	
Ounce	Diffe		Mean daily value.	0	8.8	0.0	0.2	4.8	6.7	2.1	6.3	2.2	11	SNER	evening;	early morning; Very cold.	nse fog	afterno	arly m	erally.	noughon	
		Of the Dew Point.	Mean daily value.		27.5	18.7	27.3	25.8	1.22	30.5	28.4	25.4	10	GI	till	in ear	Overcast; dense fog in	ast till	ble in crwards	Overcast generally	Overcast throughout; frequent slight snow.	
	RE.	7 4	De- parture from Average of 20 years.	0	1 8.5	-20.7	-11.5	-10.7	-12.9	1 6.5	2.4 -	-11.1	6		Cloudy night.	Fine in e Hoar frost.	Overe	Overcast till afterwards.	Variable in early morning; cloudy till a	Overc	Overc	
	TEMPERATUI	lir.	Mean daily value,	0	81.4	18.1	8.12	28.6	26.3	32.9	31.3	1.87	000	Registered Sun above Sunshine, Horizon, in hours.	1.1	4.4	4.4	2.2	2.2	8.4	1.8	Sum 54.1
	TEMPI	Of the Air.	Daily Range.		12.4	10.3	12.9	11.1	9.4	7.5	4.4	8.6	7	red Sur ne, H	201	11 90	-		19 .081 100.71e	-	0	200
ı		0	Low- est.	0	23.7	13.4	18.1	21.4	9.03	7.82	28.1	22.2	9	Registe Sunshi in hou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Sum 0.0
		0.0	High.	0	36.1	23.7	31.6	53.1	30.0	36.5	33.1	32.0	15		-1	.M.;	rozen P.	+4	800 to	1	oing;	1
	BARO-	Mean	corrected and reduced to \$20 Fahren-heit).	in.	30.131	30.08	29.880	30.174	30.126	30.155	80.08	30.002	4	ELECTRICITY. (For explanation of symbols, see Note.)	m. P. generally	m. P. till 4h. A.M.; discharge pipe frozen atterwards.	Discharge pipe frozen in morning; m. P. afterwards.	m. P. throughout	m. P. generally	v. P. throughout	m. P. in moraing; w. P. generally after-	
-	-	Phases	of the Moon.		11 11		1.1.1			Full. Greatest			8	(For ex symbol	m. P. g	m. P. discharge	Discharge in morning afterwards.	m. P. t	т. Р. 8	v. P. tl	W. P. B.	wards.
1	-	1	8	B.	21	22	23	24	22	26 6	27		1:	1	21	52	23	24	25.	26	13	
1		1890.	Моити Аив DAY.	DECEMBER	SUN.	Mon	TURB	WED, .	THUBS	FRI	BAT	Мвакв	No. of Col.	DATE. DECEMBER	SUNDAY .	MONDAY .	TUESDAI .	IN EDNESDAY	TRURSDAY.	FRIDAY .	BATURDAY .	